

SL50 – SG50

Facciate a montanti e traversi
Stick-wall curtain wall

► Manuale Tecnico
Technical manual

REVISIONI / UPDATES

La tabella sotto riportata elenca le ultime modifiche apportate al catalogo.
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VERSIONE VERSION	REVISIONE REVISION	DATA DATE	DESCRIZIONE DESCRIPTION	PAGINA PAGE
4	C	2024_11	Modifiche varie legate ai battenti K (profili, guarnizioni e ferramenta) <i>Various modifications related to K sashes (profiles, gaskets, and hardware)</i>	Intero manuale <i>Complete manual</i>
			Eliminare soluzioni IW/ID (K1709 - K1764 - K2064) <i>IW/ID solutions deleted (K1709 - K1764 - K2064)</i>	repp 1, 2 e 5
4	B	2023_12	Abbaino_Tolto il listello nel profilo battente inferiore <i>Dormer_Removed insulating element in the lower sash</i>	rep. 6 ABBAINO/DORMER
4	A	2023_04	Nuova soluzione XPET (soluzione fornibile su progetto) <i>XPET new solution (solution deliverable on project)</i>	Intero manuale <i>Complete manual</i>
		2023_05	Indicato a richiesta K765 <i>K765 is available on request</i>	rep. 2 pagg. 5.11 - 7.48
3	A	2022_05	809407 - articolo in esaurimento <i>809407 - until stock is finished</i>	4.04
		2022_05	704059 - articolo in esaurimento <i>704059 - until stock is finished</i>	3.03
		2022_11	Corretta unità di misura <i>Correct unit of measurement</i>	2.05
3	A	2021-10	Abbaino_Sostituita guarnizione sottovetro (V09032 anziché 809979) <i>Dormer_Replaced glass gasket (V09032 instead of 809979)</i>	rep. 4-6 ABBAINO/DORMER
2	A	-	Versioni precedenti <i>Previous issue</i>	-

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➤ NOTE GENERALI

Le dimensioni, gli spessori ed il peso dei profilati indicati su questo catalogo sono teorici e potranno variare in funzione delle tolleranze previste dalla norma UNI EN 12020-2.

Tutti i dati riportati nel presente catalogo sono indicativi e non impegnativi. I nodi rappresentati in questo catalogo all'interno del repertorio 7 sono esemplificativi.

Questo sistema costruttivo è stato studiato e collaudato nella sua integrità. L'uso del marchio ALUK è consentito a condizione che vengano impiegati i componenti originali ALUK (profilati, accessori, guarnizioni) e che vengano rispettate le indicazioni tecniche riportate in questo catalogo.

La società si riserva la facoltà di apportare, in qualsiasi momento, le modifiche che riterrà opportune al fine di migliorare il prodotto.

Si ricorda che questo tipo di prodotto, prima di essere immesso sul mercato comunitario, dovrà garantire la rispondenza ai requisiti imposti dalla Direttiva Europea sui Prodotti da Costruzione (89/106/CE, recepita con DPR n. 246 del 21.4.1993):

Il Costruttore dovrà apporre la marcatura CE come attestazione di conformità ai requisiti imposti dalla norma di riferimento **UNI EN 13830:2003** "Facciate Continue - Norma di prodotto"; il Costruttore è tenuto inoltre a garantire, per i requisiti essenziali contenuti nell'allegato ZA della suddetta norma, il rispetto dei livelli prestazionali minimi richiesti nel Paese di utilizzo del prodotto, dove previsti.

La società declina ogni responsabilità derivante dal mancato rispetto di quanto sopra.

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» DESCRIZIONE DEL SISTEMA SL50

Il sistema ALUK SL50, a montanti e traversi, è stato studiato per poter realizzare in modo semplice ed economico facciate continue verticali a sviluppo piano o poligonale e facciate inclinate.

La possibilità di montare gli elementi dall'esterno permette di rivestire edifici con parapetto in muratura o porzioni di parete completamente cieche.

Il sistema dispone di una propria struttura portante, costituita da montanti e traversi in alluminio con larghezza di 50 mm. La vasta gamma di profilati per montanti e traversi permette di scegliere la sezione staticamente più idonea in funzione delle dimensioni modulari della facciata, del carico risultante dalla pressione cinetica del vento e dalla neve. La gamma prevede inoltre una soluzione con montante sdoppiato per consentire il montaggio di elementi preassemblati a telaio

I profilati della struttura sono dotati di due canali per permettere la ventilazione del vano vetro e l'evacuazione verso l'esterno di eventuali acque di infiltrazione.

I traversi della struttura, anch'essi con larghezza 50 mm vengono fissati al montante con viti autofilettanti, e con un sistema di fissaggio unificato su tutti i profili che consente l'inserimento frontale a scatto

Speciali profilati aggiuntivi, predisposti per le varie angolazioni, possono essere applicati ai montanti in maniera semplice ed efficace per consentire la realizzazione di facciate a sviluppo poligonale.

I giunti dei montanti sono stati realizzati adottando elementi antifrizione, in resina sintetica, per assorbire silenziosamente i fenomeni causati dalla dilatazione termica delle griglia di facciata ed i movimenti della struttura principale. Gli stessi profilati/giunto possono essere utilizzati con funzione di irrigidimento per incrementare la caratteristiche statiche.

Le finiture di raccordo al solaio ed a parapetto sono facilmente eseguibili con i profilati complementari studiati allo scopo.

La possibilità di inserire nella griglia diversi tipi di aperture rende questo sistema molto versatile e completo. Sono infatti previsti, oltre a tutti i normali infissi delle gamme ALUK, i seguenti infissi specifici per facciate:

- infisso a sporgere autobilanciato con vetratura strutturale;
- infisso a sporgere autobilanciato con vetratura tradizionale a infilare o con fermavetro;
- infisso a taglio termico ad anta-ribalta con battente occultato nello stipite o a vista;
- porte con battente apribile all'interno od all'esterno;
- infisso abbaino per facciate inclinate.

» DESCRIZIONE DEL SISTEMA SG50

Il sistema per facciate continue ALUK SG50 utilizza, sinergicamente come struttura di base, la medesima griglia a montanti e traversi studiata per la costruzione della SL50.

L'ampia gamma di profilati per montanti e traversi consente di scegliere la sezione staticamente ottimale in funzione delle dimensioni modulari della facciata e della pressione cinetica del vento.

La possibilità di montare gli elementi di tamponamento dall'esterno permette di rivestire edifici con parapetto in muratura o porzioni di parete completamente cieche.

La caratteristica principale di questa tipologia costruttiva, con ritegno meccanico della lastra interna e incollaggio strutturale del vetrocamera, è di non avere nessun elemento metallico in vista all'esterno della facciata o, in alternativa, di evitare il pressore su due lati del vetro.

Queste facciate, in funzione del sistema e della modalità di vetratura, possono essere classificate nelle seguenti tipologie:

SG50S

In questa variante di facciata i vetri sono direttamente vincolati alla griglia di montanti e traversi. Il sistema prevede il trattenimento diretto della lastra interna del vetro per mezzo di accessori a cammes fissati alla griglia.

Il vetrocamera dovrà essere assemblato obbligatoriamente con la lastra interna stratificata, e nella sua composizione dovranno essere inseriti specifici canalini d'impegno in posizione predeterminata.

Nella fuga esterna tra i vetri, di larghezza pari a 22 mm, viene inserita una specifica guarnizione di tenuta e finitura in EPDM, montata sul profilo distanziatore sottostante in PVC. In alternativa vi è la possibilità di utilizzare una guarnizione fondo di giunto e di sigillare completamente la fuga esterna tra le lastre per una garanzia completa di tenuta all'aria ed all'acqua. Questa seconda soluzione è particolarmente indicata per gli sviluppi in pianta poligonali.

SG50P

La variante P del sistema, adotta la medesima tecnologia di ritegno meccanico della precedente su due lati del vetrocamera abbinato all'impiego di pressori del vetro e copertine su rimanenti (orizzontali o verticali). Questa soluzione è consigliata nei progetti ove le pressioni negative del vento o le dimensioni delle lastre siano particolarmente importanti, ovvero per motivi architettonici, prevedendo eventualmente l'uso di copertine sagomate.

Entrambe le varianti consentono l'inserimento di infissi a sporgere di tipo autobilanciato con vetratura strutturale che rendono architettonicamente indistinguibili le parti fisse e apribili in facciata.

DESCRIZIONE DEL SISTEMA

PROFILATI

Per gli estrusi vengono impiegate billette allo stato omogeneizzato in lega EN AW-6060 T66 (con caratteristiche meccaniche secondo UNI EN 755-2), con tolleranze ristrette di composizione adatta per ossidazione anodica e verniciatura. Le tolleranze dimensionali sono conformi alle normative UNI EN 12020-2.

TRASMITTANZA TERMICA

L'isolamento termico della griglia di facciata è ottenuto mediante l'applicazione di un profilo in materiale plastico a bassa conducibilità sulla porzione frontale dei montanti e dei traversi. La trasmittanza termica dei nodi di facciata, è stata calcolata mediante software validato, secondo le prescrizioni della norma EN ISO 10077-2.

La trasmittanza termica U_{cw} della facciata continua è ricavabile da calcolo sulla base della norma EN ISO 12631.

GUARNIZIONI

Le guarnizioni di tenuta sia statiche che dinamiche sono realizzate in EPDM (elastomero etilene-propilene); le loro caratteristiche sono conformi alla normativa DIN 7863.

Per le facciate inclinate è prevista inoltre l'applicazione di una striscia butilica autoadesiva, protetta da film in alluminio, da applicare tra i vetri sotto il pressore esterno.

Una particolare guarnizione adesivizzata (cod. 809612) consente di contenere in soli 4,5 mm la sporgenza dal vetro del pressore ribassato.

ACCESSORI

I giunti di dilatazione dei montanti e le mensole fisse dei traversi sono realizzate in lega primaria di alluminio. I coprigiunti di tenuta per le connessioni dei vari elementi sono in materiale sintetico rinforzato, mentre le flange di finitura dei traversi sono stampate in elastomero flessibile.

Tutte le viti del sistema, con esclusione delle autoperforanti, sono in acciaio inossidabile A2.

Per l'unione angolare dei telai apribili a sporgere sono previste squadrette monolitiche in alluminio. Le cerniere sono ricavate da profilato estruso in alluminio, perno di rotazione in acciaio e boccole in resina antifrizione.

Gli infissi a sporgere sono dotati di compassi autobilanciati in acciaio inossidabile che permettono, secondo il tipo utilizzato, una apertura variabile da 20° a 45°; il bloccaggio avviene per mezzo di cremonese a rotazione, aste di rinvio e nottolini da arresto, i punti di chiusura possono essere estesi a tutto il perimetro della finestra per garantire la perfetta tenuta con dimensioni molto larghe o qualora la pressione cinetica negativa del vento abbia un ruolo importante.

VETRAZIONE

Il sistema permette l'utilizzo di vetri dello spessore compreso tra 6 a 40 mm, adottando le modalità illustrate in questo catalogo. Il bloccaggio dei vetri avviene tramite pressore con guarnizioni interne ed esterne. Per le guarnizioni di tenuta interna è disponibile una gamma completa di angoli vulcanizzati.

Per quanto concerne la vetratura di pareti inclinate si raccomanda l'utilizzo di vetrocamera con lastra esterna in vetro temprato e vetro stratificato all'interno come richiesto dalle norme di sicurezza vigenti (UNI 7697 per l'Italia).

» INCOLLAGGIO STRUTTURALE ED INDICAZIONI SULLA RESPONSABILITA'

Le facciate ALUK SL50 e SG50 possono essere integrate con l'inserimento di infissi apribili a sporgere strutturali. Questa tipologia costruttiva è caratterizzata dalla modalità di vetratura che avviene tramite l'incollaggio del vetro al telaio in alluminio per mezzo di sigillante strutturale. La sicurezza della costruzione è subordinata alla corretta e scrupolosa esecuzione di questa operazione.

Dovrà essere attentamente verificata l'adesione del sigillante alle superfici del vetro e del telaio in alluminio in modo da garantire le prestazioni statiche richieste dal progetto.

Allo scopo risulta fondamentale una stretta collaborazione tra il fornitore del sigillante strutturale, il produttore dei vetri e l'azienda specializzata che eseguirà l'incollaggio.

Il trattamento superficiale degli specifici profilati ALUK, viene eseguito dalla Divisione Profili secondo lo standard concordato con i produttori di sigillante. Tale trattamento viene testato periodicamente da Dow Corning e Sika.

I profili così trattati dovranno essere impiegati entro sei mesi dalla data del trattamento stesso, l'invecchiamento del trattamento oltre tale periodo non potrà più garantire, infatti, la buona adesione del sigillante strutturale.

La fornitura di questi profili prevede da parte di ALUK l'indicazione del lotto (data di produzione) ed una copia dell'approvazione del produttore del sigillante indicante inoltre il prodotto idoneo per la pulizia; l'incollaggio del vetro al telaio dovrà pertanto essere eseguito tassativamente entro sei mesi da tale data.

La fornitura di questi profilati è subordinata ad una dichiarazione che il serramentista dovrà fare all'atto dall'ordine specificando:

- 1) L'azienda specializzata (vetreria) con la quale intende eseguire il lavoro, che dovrà essere autorizzata dal produttore del sigillante strutturale.
- 2) La superficie totale della facciata continua strutturale.

Per ottenere il rilascio della garanzia da parte del produttore dei sigillanti, il serramentista e la vetreria dovranno inoltrare i seguenti documenti:

- A) " **Project List** ", ovvero le caratteristiche del progetto. Su questo documento dovranno essere indicate, oltre le caratteristiche generali del progetto, le dimensioni dei telai da vetrare e la spinta cinetica del vento prevista, sia in pressione che in depressione. Tali dati risultano indispensabili per la verifica del dimensionamento della sezione di incollaggio da parte del produttore del sigillante strutturale.
- B) " **Sample Check List** ", ovvero la lista ed i campioni di tutti i materiali interessati all'incollaggio strutturale.

Detti documenti dovranno essere spediti direttamente al produttore dei sigillanti. Il quale, dopo le opportune verifiche, provvederà a spedire il certificato di garanzia direttamente al serramentista.

Per cantieri di piccole dimensioni ($600 / 800 \text{ m}^2$) viene solitamente richiesto da parte del produttore dei sigillanti un contributo per le spese di gestione e rilascio della garanzia, I materiali ALUK interessati dall'incollaggio strutturale vengono testati, si raccomanda tuttavia di avere la massima cura nell'immagazzinare tali prodotti in luogo coperto, asciutto e privo di polvere. Si dovrà avere la massima cura durante la lavorazione per non alterare la superficie trattata dei profilati destinata all'incollaggio.

Una eventuale pulizia dei profilati sarà possibile utilizzando esclusivamente il prodotto raccomandato dal produttore dei sigillanti applicato e pulito con doppio straccio.

» TRATTAMENTI SUPERFICIALI

OSSIDAZIONE ANODICA

Il trattamento di ossidazione anodica prevede un primo pretrattamento meccanico di spazzolatura scotch-brite dei profili grezzi. Successivamente tutti gli altri trattamenti elettrochimici ed i relativi controlli vengono eseguiti secondo le Direttive Tecniche del marchio di qualità europeo QUALANOD.

Lo spessore di ossido anodico viene controllato secondo UNI EN ISO 2360 (metodo a correnti indotte), mentre per la qualità del fissaggio dello strato di ossido anodico si fa riferimento alla ISO 3210 e alla UNI EN 12373-4. I trattamenti sono garantiti con marchio di qualità (EURAS-EWAA) QUALANOD.

I profili con parti in vista hanno finitura Spazzolata E2, mentre per i profili con parti non in vista, la finitura è Satinata Chimica E6.

Lo spessore minimo obbligatorio dell'ossido per architettura per uso esterno è di 15 micron, che può essere aumentato a classi maggiori (20 e 25) a seconda delle richieste del cliente e/o delle norme vigenti nei Paesi di destinazione.

VERNICIATURA

La verniciatura è del tipo a polvere ed il colore può essere scelto nella gamma dalla cartella «RAL», secondo ns. mazzetta colori e/o secondo specifiche richieste del cliente.

Prima della verniciatura, la superficie dei profili viene trattata con le seguenti operazioni di pretrattamento in tunnel comprendenti:

- sgrassaggio
- lavaggio
- decapaggio
- lavaggio
- cromatazione
- doppio lavaggio in acqua demineralizzata
- passaggio in forno di asciugatura

Successivamente vengono applicate le polveri tramite verniciatura a spruzzo in cabina automatica con pistole elettrostatiche a movimento alternativo con passaggio successivo in forno per la polimerizzazione della vernice. Le polveri utilizzate sono omologate QUALICOAT.

Lo spessore minimo obbligatorio del film di vernice per architettura per uso esterno è di 60 micron.

Tutto il ciclo di verniciatura dei profili viene svolto nel pieno rispetto delle normative previste per il marchio di qualità QUALICOAT.

➤ GENERAL REMARKS

Dimensions, thickness and the weight specified for the aluminium sections is theoretical and can vary depending on the tolerances stated in EN 12020-2 standard.

All specifications described in this catalogue are approximate and non-binding. The sections shown in unit 7 are by way of example.

This structural system has been designed and tested as a whole. The use of the ALUK brand is permitted only when original ALUK components (sections, accessories, gaskets) are used and when the technical specifications given in this catalogue are complied with.

The final product will have to respect the provisions of EU Construction Products Directive (89/106/EEC), with CE-marking apposed, as attestation of conformity according to the relevant clauses of EN 13830:2003 "Curtain walling - Product Standard".

The Manufacturer is obliged to respect, for the relevant clauses indicated in Annex ZA of this standard, the mandated levels or classes in the place of use, if applicable.

The company waives all responsibility for damages and harm due to failure in complying with these requirements.

The company reserves the right to introduce, at any time to the product, all the changes that it thinks necessary for product improvement.

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➤ SL50 SYSTEM DESCRIPTION

The ALUK SL50 system is designed to build quickly vertical curtain walls, inclined curtain walls and polygonal constructions.

Components can be installed from the outside thus, permitting the cladding of buildings with masonry parapets or portions of wall that are totally blind.

The system has a self-bearing structure, composed of 50 mm wide aluminium mullions and transoms. A wide range of sections for transoms and mullions allows the most suitable choice of the best static solution, according to the modular dimensions of the curtain wall, wind pressure and snow load. There is also available an half-mullion in order to allow the pre-assembling of frames.

Structural sections have two channels to ventilate the glazing compartment and to drain water infiltration outwards.

Transom, 50 mm wide, are fixed to the mullions with self-tapping screws and with a specific fitting (the same for the whole transom gamut) that allows the frontal insertion of the profile.

Polygonal structures are made by using special variable-angle additional sections for mullions.

Special care has been taken to eliminate problems due to thermal expansion of curtain wall grid elements. Mullion expansion joints are covered with a synthetic anti-friction material to avoid metal-to-metal contact. The same elements are used with a stiffening purpose to increase static features.

Finishing trims connecting parapets and floors are easily made by the specially designed sections.

Several types of opening can be inserted in the grid, thus making this a very versatile and complete system. The following windows, specific for curtain walls, can be used as well as all the normal windows in the ALUK product line:

- top-hung selfbalanced windows with structural glazing;*
- top-hung selfbalanced windows with "traditional" glazing beads or inserted glazing;*
- side-hung or turn and tilt thermally insulated windows with hidden wing;*
- doors series opening inward and outward;*
- roof windows for sloped curtain walls.*

➤ SG50 SYSTEM DESCRIPTION

ALUK SG50 system for curtain walls uses as a basic structure the same grid with mullions and transoms as SL50 system.

The existing wide range of profiles for mullions and transoms, allows the choice of the most suitable section according to the dimensions of the curtain wall and to the kinetic pressure of wind.

The possibility to assemble the frames from outside allows the covering of buildings with masonry parapet or parts of blind walls.

The main characteristic of this building typology, mechanical retained on the inner pane of the insulated glass unit and structural glazed between glass panes, is that it does not have any metallic element displayed on the outer surface of the curtain wall.

Depending on features of the system and glazing, the curtain wall can be classified as follows:

SG50S

In this curtain wall range, glasses are bound directly to the bearing grid. In this system the inner pane of IGU is retained by a “cammes” fitting screwed on mullion and transom grid. The inner pane of insulated glazing unit shall be assembled with a laminated safety glass, and specific retaining fittings shall be used in predetermined position.

The 21 mm joint between glasses is weathersealed by using a specific finishing EPDM rubber gasket mounted on the underlying PVC spacer.

Alternatively there is the possibility of using a backer rod gasket and to completely seal the external gap between the glass panes for a guarantee of complete weathertightness. This second solution is particularly suitable for the polygonal developments.

SG50P

This P system uses the same retaining technology on two sides of the insulated glass unit and pressure plate and cover on the remaining sides (horizontally or vertically). This variant is recommended where negative pressure or dimensions are very high, or for architectural reasons with particular cover shapes.

Both variants allow the insertion of self-balancing projecting windows with structural sealed glazing that make architecturally indistinguishable fixed and opening parts in the facade.

► SYSTEM DESCRIPTION

SECTIONS

Extruded aluminium sections are made from EN AW-6060 T66 alloy (mechanical properties according to standard EN 755-2) homogenized billets with minimum alloy tolerances and suitable for anodizing and painting.

Dimension tolerances are in compliance with UNI EN 12020-2 standards.

THERMAL BREAK

The thermal insulation of the façade is obtained by applying a low conductivity plastic profile on the central groove of the mullions and transoms.

The thermal transmittance of the façade sections have been calculated by a validated software, according to the requirements of the EN ISO 10077-2 standard.

The thermal transmittance U_{cw} of the curtain wall can be obtained by a calculation based on the EN ISO 12631 standard.

GASKETS

Both static and dynamic gaskets are made of EPDM (ethylene-propylene elastomer).

Their characteristics comply with DIN 7863 standards. For inclined curtain walls also include application of a self-adhesive bituminous strip protected by aluminium foil and placed between the glazing and the external pressure plate.

A special adhesive gasket (cod. 809612) reduce to 4,5 mm the thickness of depressed pressure plate.

ACCESSORIES

Expansion joints for the mullions and brackets for transoms are made of primary aluminium EN AW-6060 alloy. Seal joint-covers for joining between the different elements are made of a reinforced synthetic material. Transoms finishing flanges are made of a flexible thermoplastic material. Screws used to fix them, like all the bolts and nuts in the system, are A2 stainless steel. Projecting windows corner joints are made using extruded aluminium brackets. Hinges are made from aluminium extruded elements with steel hinge pins and anti-friction resin bushings. Projecting windows are equipped with stainless steel stay-arms and permit the window to open out approximately from 20° to 45° according to the system used. Opening is limited by a rotating handle bolt with transmission rods and retention pawls. Locks can be extended on whole perimeter for large dimensions or when negative wind load is very high.

GLAZING

Glass thicknesses can vary from 6 to 40 mm using the procedures illustrated in this catalogue. Retaining of glasses is done by pressure plates with internal and external gaskets. Internal gasket have a complete gamut of vulcanized corners. As regards glazing horizontal and inclined surfaces we recommend using double glazing with tempered external pane and stratified internal pane as required by safety regulations in force.

➤ STRUCTURAL SEALING AND INSTRUCTIONS ON RESPONSIBILITIES

The SL50 and SG50 curtain wall can be supplemented with top-hung openable frames with structural sealant glazing. This glazing system is done by sealing the glass to the aluminium frame with a structural sealing product.

The reliability of this construction depends on the exact and careful carrying out of this operation.

It is absolutely necessary to test and verify the adherence of the sealant to glass surface and to aluminium frames in order to grant all static performances required by the project itself.

To this purpose, a close co-operation between sealant supplier, glass worker and the assembling company, is recommended.

The surface treatment of aluminium sections, is done by ALUK according to sealant manufacturers standards. Dow Corning and Sika have appropriately tested this treatment. Treated sections should be then used within six months since treatment date. After that period, the right adhesion of the structural sealing cannot be guaranteed.

When supplying these sections, ALUK will take care to show the lot number (treatment date) as well as to supply a copy of sealing manufacture's approval, showing the product to be used for cleaning. The sealing of the glass to the aluminium frame should be therefore absolutely done within six months since this date.

When placing the order the window fitter shall enclose a statement specifying:

1. The name of the specialised Company (glassworks) which is going to carry out the work, and which shall be authorised by the Company that is going to supply the sealer;
2. The total surface of the structural glazing

In order to obtain the guarantee by the sealant producer, the window fitter together with the glasswork, shall include the following documents:

A. **PROJECT LIST** : i.e. the project characteristics. This list shall report, besides the overall characteristics of the project, the dimensions of the frames to be glazed as well as the wind pressure expected (either pressure or depressor). These data are necessary to verify the sizing of the sealing section by the structural sealant manufacturer.

B. **SAMPLE CHECKLIST** : i.e. the list and sample of all materials to be used for the structural sealing.

These documents shall be forwarded directly to the sealant supplier, who, after all necessary verifications will forward the guarantee certificate directly to the window fitter.

In case of small size projects (600/800 sqm.) usually the sealant manufacturer will require a contribution for management expenses and guarantee issue.

ALUK tests materials, which have to be sealed by structural sealing, however it is warmly recommended to pay careful attention when storing the goods indoor, in a dry and dustless environment. A particular care shall be paid when working the materials in order not to alter the treated surface to be sealed.

Cleaning of section can be done by using exclusively those products recommended by the sealant supplier, applied and cleaned with a double cloth.

➤ SURFACE TREATMENTS

ANODIZING

The anodising process starts with a mechanical pre-treatment consisting in a scotch-brite brushing of raw profiles. Afterwards, all the other electro-chemical treatments and relevant controls are performed in compliance with Technical Directives of European quality mark QUALANOD.

The anodic oxide layer thickness is checked in compliance with international standard UNI EN ISO 2360 (eddy current method), while the fixing quality of the anodic oxide layer is referred to ISO 3210 and UNI EN 12373-4 standards.

Treatments are guaranteed by the quality mark (EURAS-AWAA) QUALANOD.

Sections with visible parts have the "Spazzolato E2" finishing (brushed), while hidden sections have the "Satinata Chimica E6" finishing (chemically glazed).

The minimum compulsory oxide layer thickness is 15 microns for external architectural use, can be increased to major classes (20 or 25 microns), according to customer's requirements and/or national laws in the place of destination

PAINTING

Painting is done with powders and colour can be chosen from the RAL gamut of colours, from our colour quire and/or based on customer's requirement.

Before painting, section surface is pre-treated with a "in-tunnel" treatment, i.e. :

- *degreasing*
- *washing*
- *etching*
- *washing*
- *chromium plating*
- *double washing in demineralized water*
- *furnace drying process*

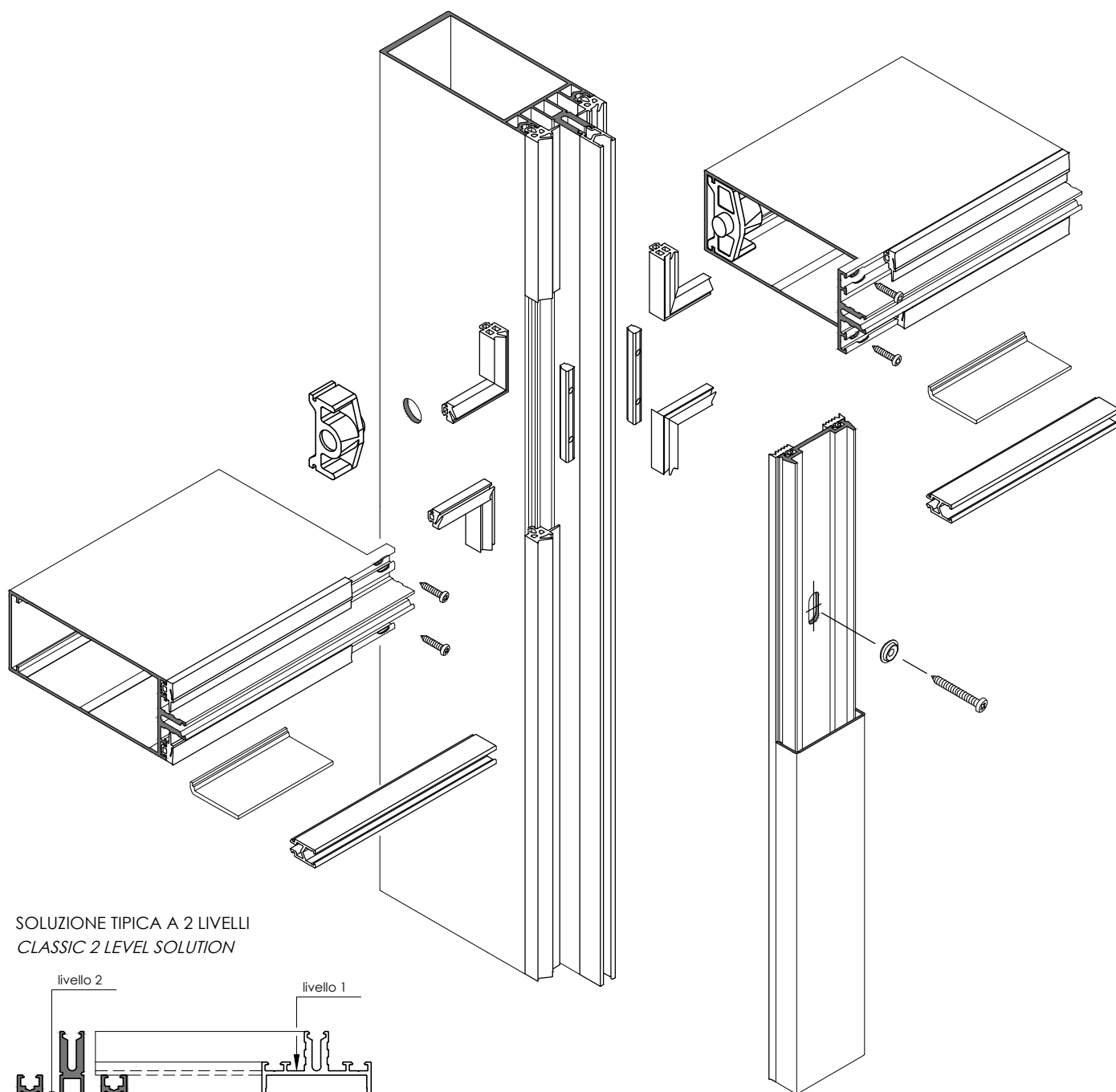
After that, special powders are applied by spray painting with electrostatic alternate spray guns, into an automatic booth, then dried into furnace for paint polymerisation.

The powders used are QUALICOAT homologated .

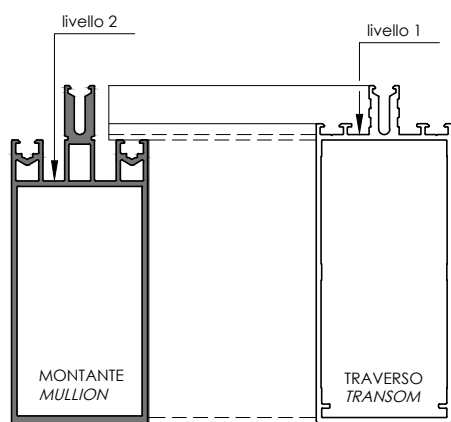
The minimum compulsory paint layer thickness shall be at least 60 micron for external architectural use. The whole sections painting cycle is carried in full compliance of quality standard QUALICOAT.

PRINCIPIO COSTRUTTIVO DEL SISTEMA SL50

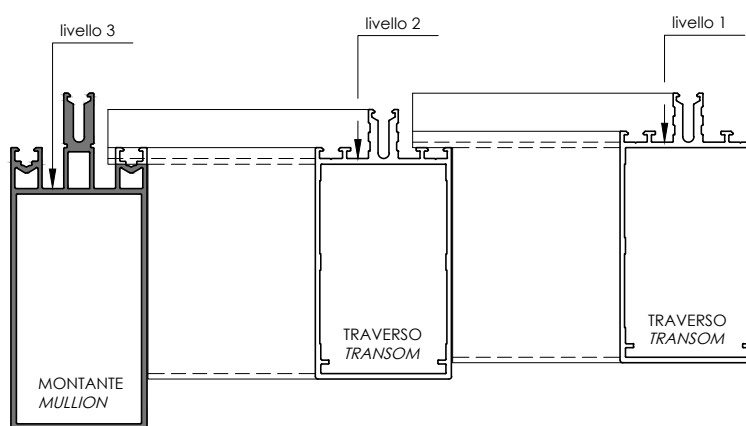
SL50 CONSTRUCTION SYSTEM PRINCIPLE



SOLUZIONE TIPICA A 2 LIVELLI
CLASSIC 2 LEVEL SOLUTION



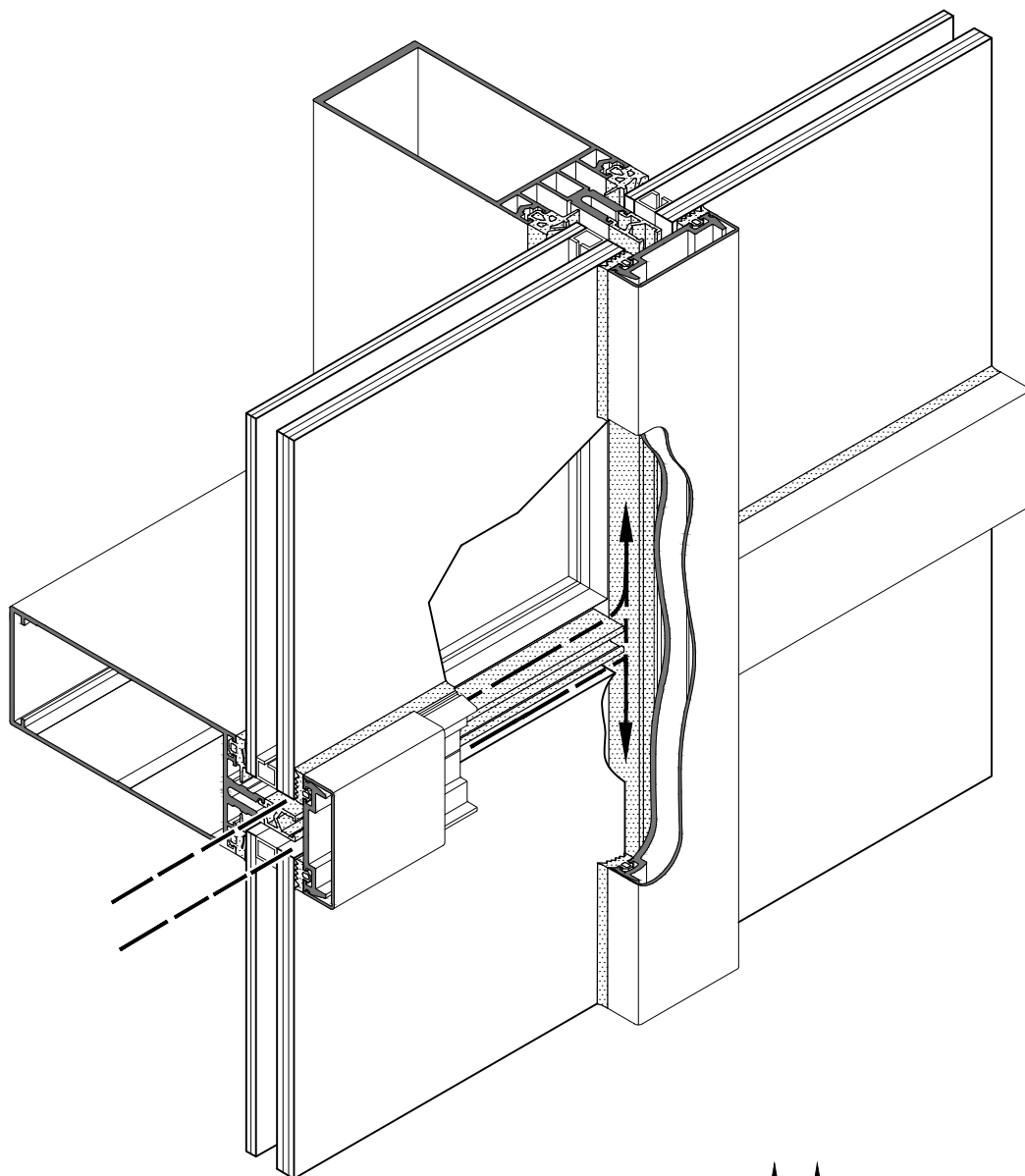
SOLUZIONE A 3 LIVELLI
3 LEVEL SOLUTION



L'assemblaggio dei vari elementi dovrà essere eseguito secondo gli schemi illustrati per permettere il drenaggio del sistema

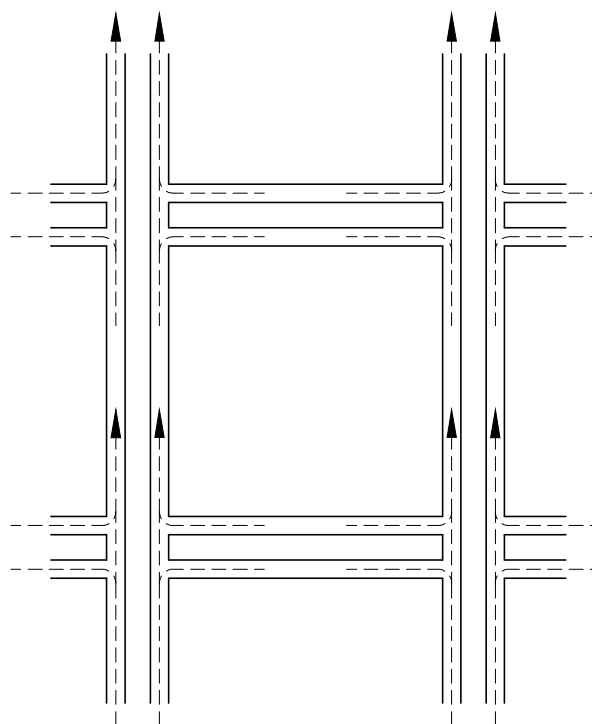
Components must be assembled as illustrated to permit the system to drain

PRINCIPIO DI VENTILAZIONE PRINCIPLE OF VENTILATION



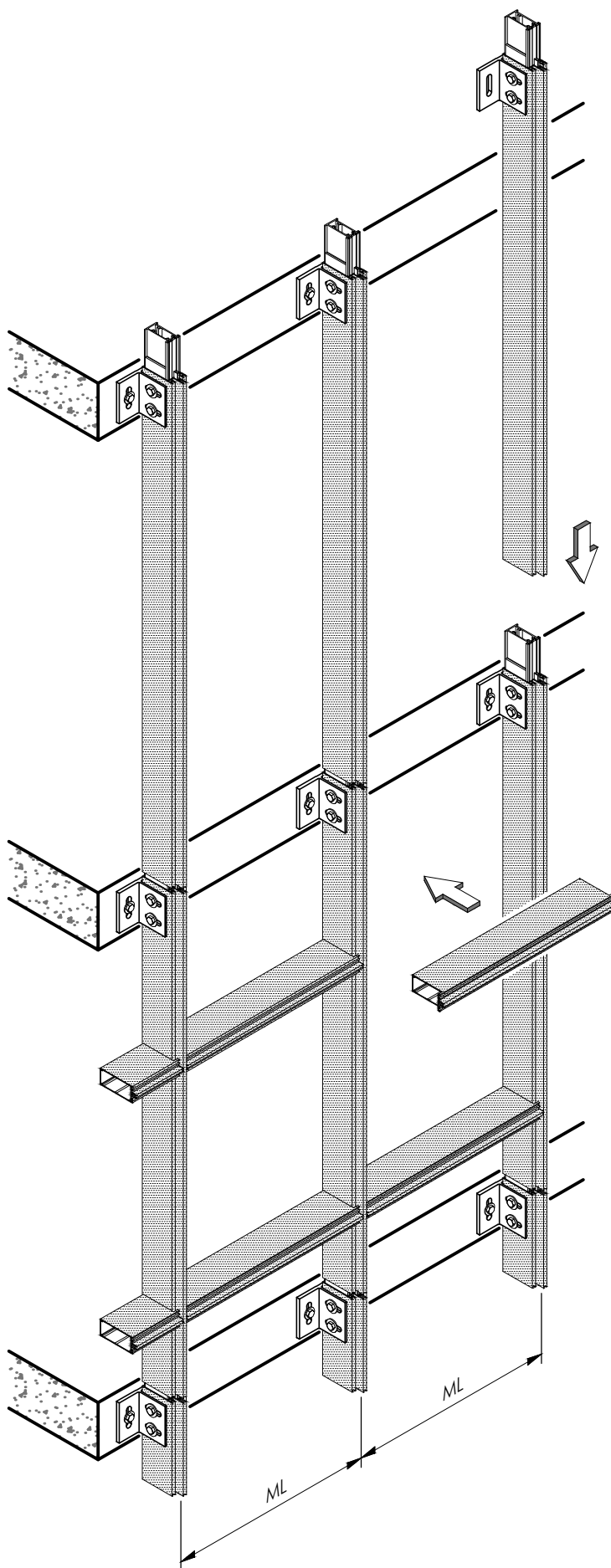
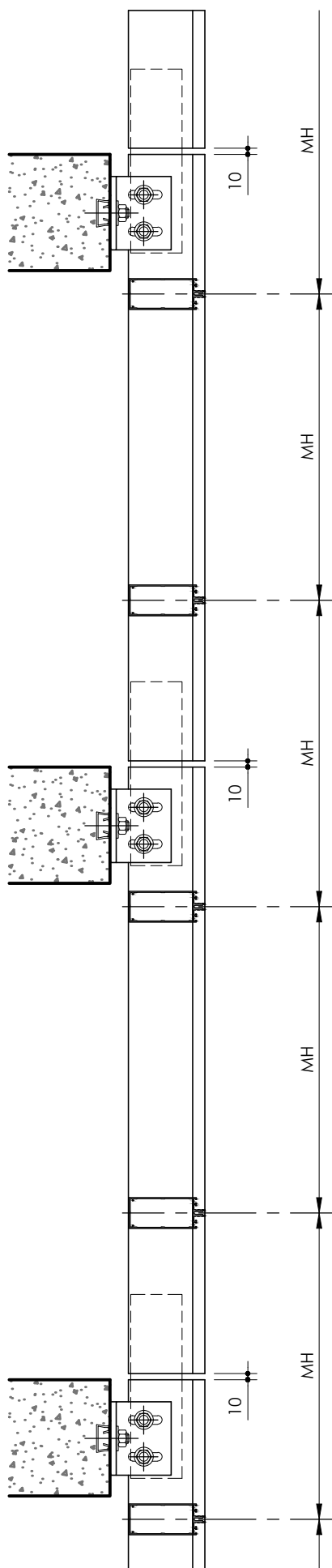
LA VENTILAZIONE E' ASSICURATA
DAL COLLEGAMENTO DEL CANALE
REALIZZATO TRA VETRO E TRAVERSO
CON IL CANALE PRINCIPALE DEL
MONTANTE

THE VENTILATION IS ASSURED BY THE
CONNECTION OF THE CHANNEL
REALIZED AMONG GLASS AND
TRANSOM WITH THE PRINCIPAL
CHANNEL OF THE MULLION

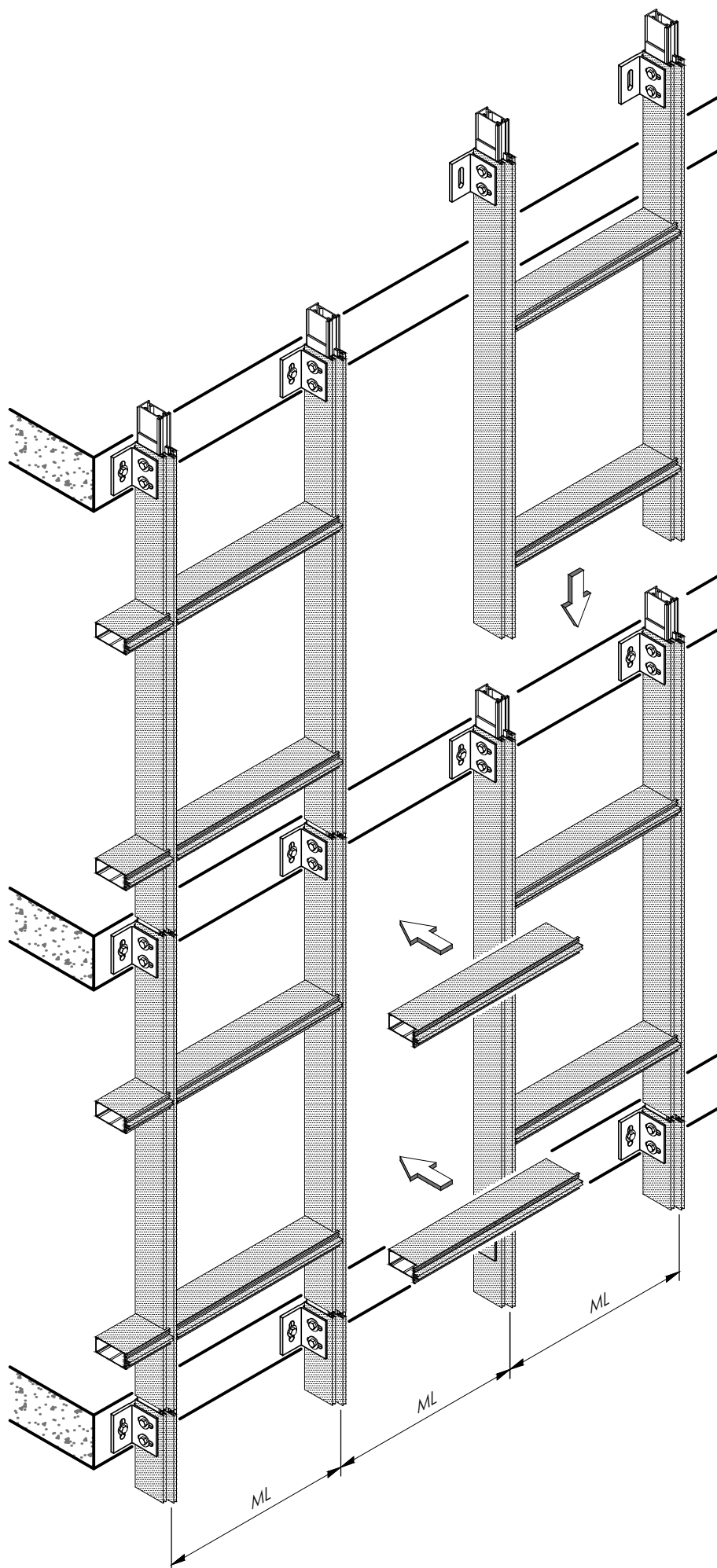


SISTEMA DI FACCIATA A MONTANTI E TRAVERSI

STICK WALL SYSTEM



SCHEMA DI FACCIATA CON TELAI PREASSEMBLATI
PRE-MOUNTED FRAMES DIAGRAM



RACCOMANDAZIONE GENERALE SULL'ANCORAGGIO DELLA FACCIATA CONTINUA ALLA STRUTTURA PORTANTE

Al fine di adottare la più corretta soluzione tecnica per l'ancoraggio della facciata alla struttura dell'edificio, è raccomandata un'attenta verifica degli spostamenti degli elementi strutturali sotto i carichi di progetto e delle dilatazioni termiche degli elementi di facciata.

In linea generale, andrà verificato se i giunti di dilatazione di sistema siano compatibili con gli spostamenti della struttura per evitare di indurre possibili collisioni o distanziamento eccessivo tra gli elementi di facciata e le lastre di tamponamento.

Per la natura dei suoi giunti di tenuta esterna, quanto sopra vale in modo particolare per il sistema SG50.

GENERAL RECOMMENDATION ON THE CURTAIN WALL TO THE SUPPORTING STRUCTURE.

In order to adopt the most correct technical solution for anchoring the facade to the building structure, it is recommended to carefully check the displacements of the structural elements under the design loads and the thermal expansion of the facade elements.

In general, it will be necessary to check whether the system expansion joints are compatible with the movements of the structure to avoid inducing possible collisions or excessive spacing between the facade elements and the glass panes.

Due to the nature of its external sealing joints, the above recommendations must be applied in particular to the SG50 system.

PER VERIFICARE L'IDONEITA' DELLA STRUTTURA NELLA COSTRUZIONE DELLA FACCIATA CONTINUA VERTICALE E' POSSIBILE CONSULTARE UNO DEI DUE GRAFICI ALLE PAGINE SEGUENTI:

- 1.28 : il grafico è riferito a strutture isostatiche
- 1.29 : il grafico è riferito a strutture iperstatiche.

Si esegue un pre-dimensionamento agli S.L.S. (Stati Limite di Servizio): in funzione dell'interasse dei montanti (M), dell'interasse dei solai (H) e della pressione cinetica del vento si può rilevare il valore del momento d'inerzia necessario per il montante.

I carichi di vento indicati nei grafici seguenti sono esemplificativi. L'esatta pressione cinetica del vento dovrà essere stabilita dal progettista dell'edificio. A tale scopo si consiglia la consultazione del D.M. 14.01.2008 "Norme Tecniche per le Costruzioni" (cap. 3.3), della Circolare applicativa 2.02.2009, della norma tecnica UNI 11173 e dei documenti tecnici UNCSAAL UX28 ed UX66.

Una volta stabilita la rispondenza del momento d'inerzia del montante si dovrà verificare allo S.L.U. (Stato Limite Ultimo) con le seguenti formule:

$$M_{Rd} > M_{Ed}$$

dove

$$M_{Rd} = W_x \cdot f_0 / 1,1 \quad \text{momento resistente di progetto}$$

$$M_{Ed} = 1,5 \cdot Q \cdot H / 8 \quad \text{momento flettente di progetto}$$

caratteristiche della lega di alluminio EN AW-6060 T66 secondo UNI EN 1999-1-1

$$f_0 = 150 \text{ N/mm}^2 \quad \text{carico di snervamento}$$

$$E = 70.000 \text{ N/mm}^2 \quad \text{modulo di elasticità}$$

CONSULT ONE OF THE CHARTS SHOWN ON THE FOLLOWING PAGES TO CHECK THE SUITABILITY OF THE STRUCTURE FOR BUILDING THE VERTICAL CURTAIN WALL:

- on page 1.28 : the graph refers to one-storey curtain walls
- on page 1.29 : the graph refers to multistorey curtain walls.

A pre-dimensioning on Serviceability Limit States is required: depending on mullion interaxis (M), floor distance (H) and design wind load the moment of inertia can be calculated.

Design wind loads shown in the graphs are just as an example. The correct wind pressure shall be calculate by the Building Engineer.

After choosing the correct mullion an Ultimate Limit States verification shall be done, using the following formulas:

$$M_{Rd} > M_{Ed}$$

where

$$M_{Rd} = W_x \cdot f_0 / 1,1 \quad \text{design moment resistance}$$

$$M_{Ed} = 1,5 \cdot Q \cdot H / 8 \quad \text{design bending moment}$$

aluminium alloy EN AW-6060 T66 features, according to EN 1999-1-1

$$f_0 = 150 \text{ N/mm}^2 \quad \text{characteristic value of 0,2\% proof strength}$$

$$E = 70.000 \text{ N/mm}^2 \quad \text{modulus of elasticity}$$

DIAGRAMMA STATICO - PRESSIONE DEL VENTO
STATIC DIAGRAM - WIND PRESSURE

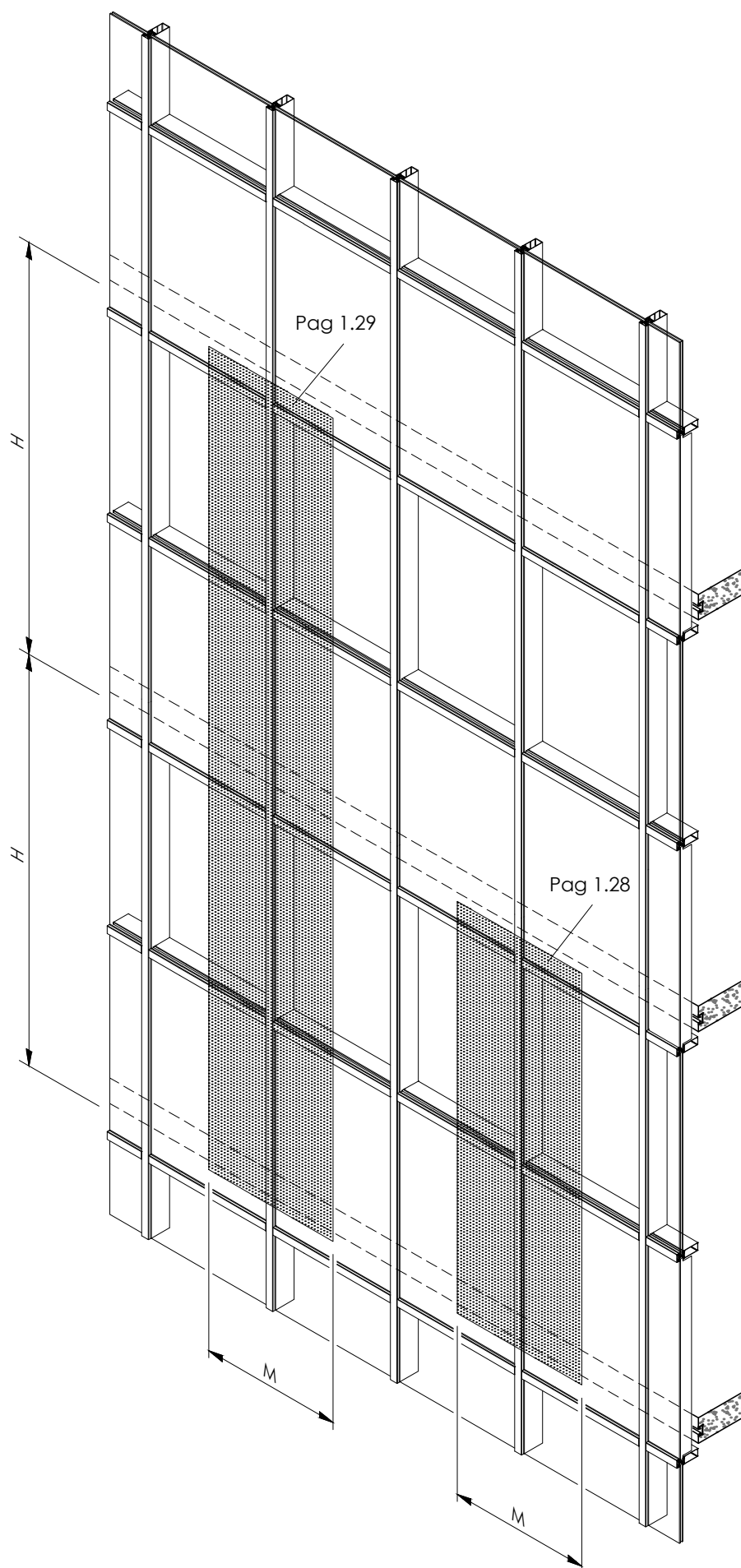
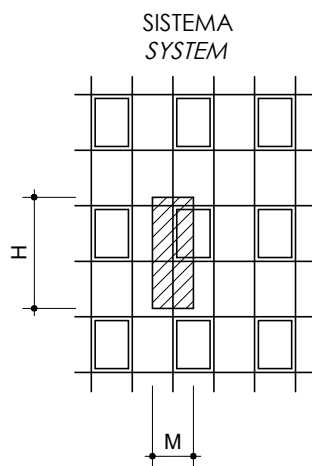
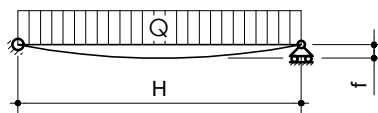


DIAGRAMMA STATICO - PRESSIONE DEL VENTO STATIC DIAGRAM - WIND PRESSURE



SCHEMA STATICO
STATIC SCHEME



$f_{Cd} = H/200$
max 15 mm
UNI EN 13116

MOMENTO D'INERZIA
MOMENT OF INERTIA

[x 10⁴ mm⁴]

FORMULA DI CALCOLO
CALCULATION FORMULA

$$J_x = \frac{5}{384} \cdot \frac{Q \cdot H^3}{E \cdot f_{Cd}}$$

J_x = MOMENTO D'INERZIA
MOMENT OF INERTIA [mm⁴]

Q = CARICO TOTALE
LOAD [N]

w = PRESSIONE CINETICA
DEL VENTO
WIND-PRESSURE LOAD [Pa]

$$Q = w \cdot M \quad H = [N]$$

E = MODULO DI ELASTICITA'
ELASTIC MODULUS [N/mm²]

f_{Cd} = FRECCIA
DEFLECTION [mm]

ESEMPIO DI FACCIATA
EXAMPLE OF CURTAIN WALL

$M = 1150 \text{ mm}$

$H = 3200 \text{ mm}$

$w = 1200 \text{ Pa}$

$J_x = 180 \times 10^4 \text{ mm}^4$

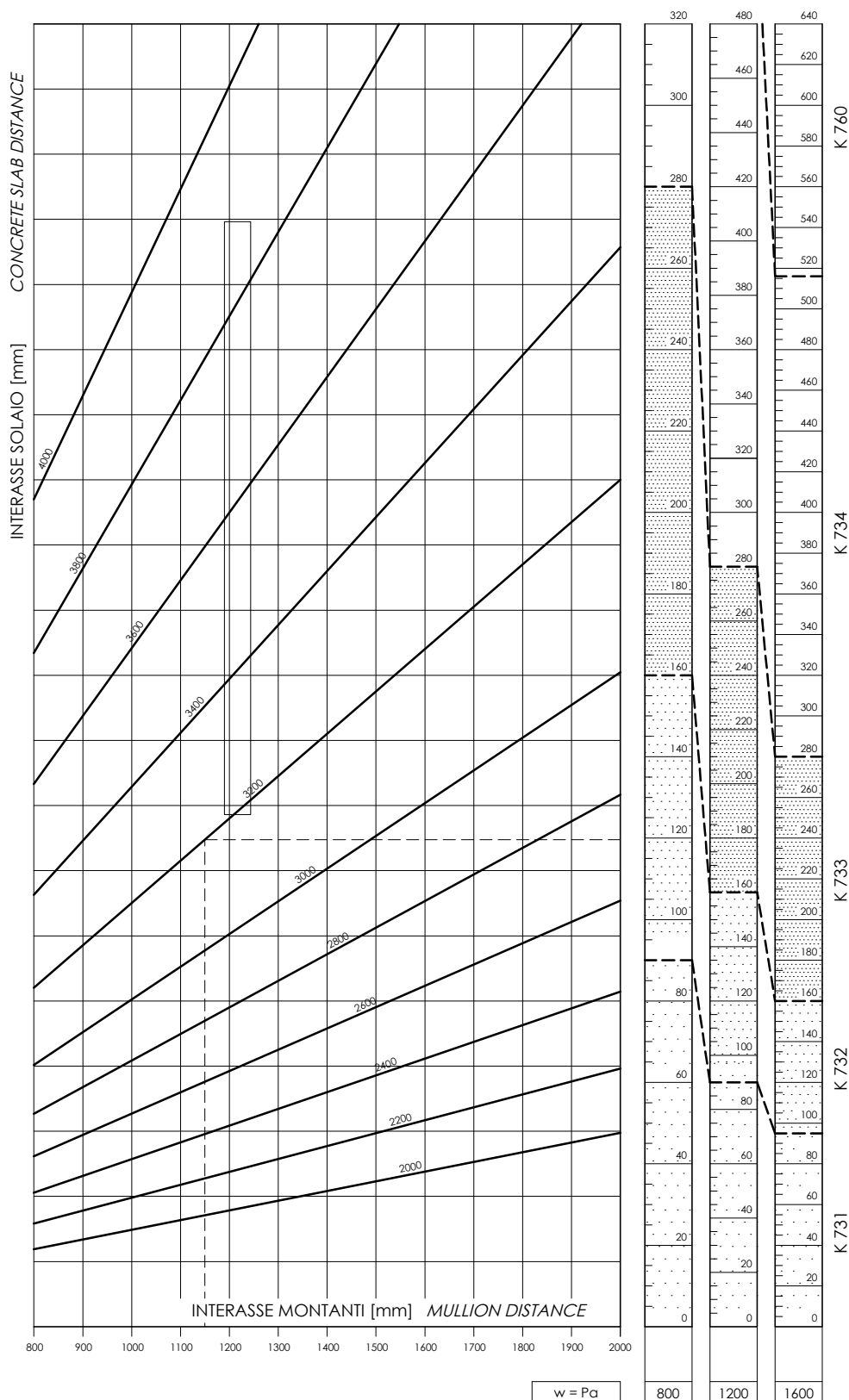
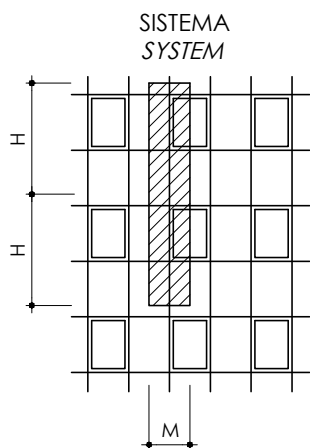
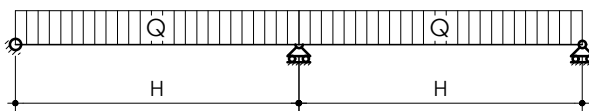


DIAGRAMMA STATICO - PRESSIONE DEL VENTO

STATIC DIAGRAM - WIND PRESSURE



SCHEMA STATICO
STATIC SCHEME



$f = H/200$
 C_d
max 15 mm
UNI EN 13116

MOMENTO D'INERZIA
MOMENT OF INERTIA

[x 10⁴ mm⁴]

FORMULA DI CALCOLO
CALCULATION FORMULA

$$J_x = 0,00542 \cdot \frac{Q \cdot H^3}{E \cdot f_{Cd}}$$

J_x = MOMENTO D'INERZIA
MOMENT OF INERTIA [mm⁴]

Q = CARICO TOTALE
LOAD [N]

w = PRESSIONE CINETICA
DEL VENTO
WIND-PRESSURE LOAD [Pa]

$$Q = w \cdot M \cdot H = [N]$$

E = MODULO DI ELASTICITA'
ELASTIC MODULUS [N/mm²]

f_{Cd} = FRECCIA
DEFLECTION [mm]

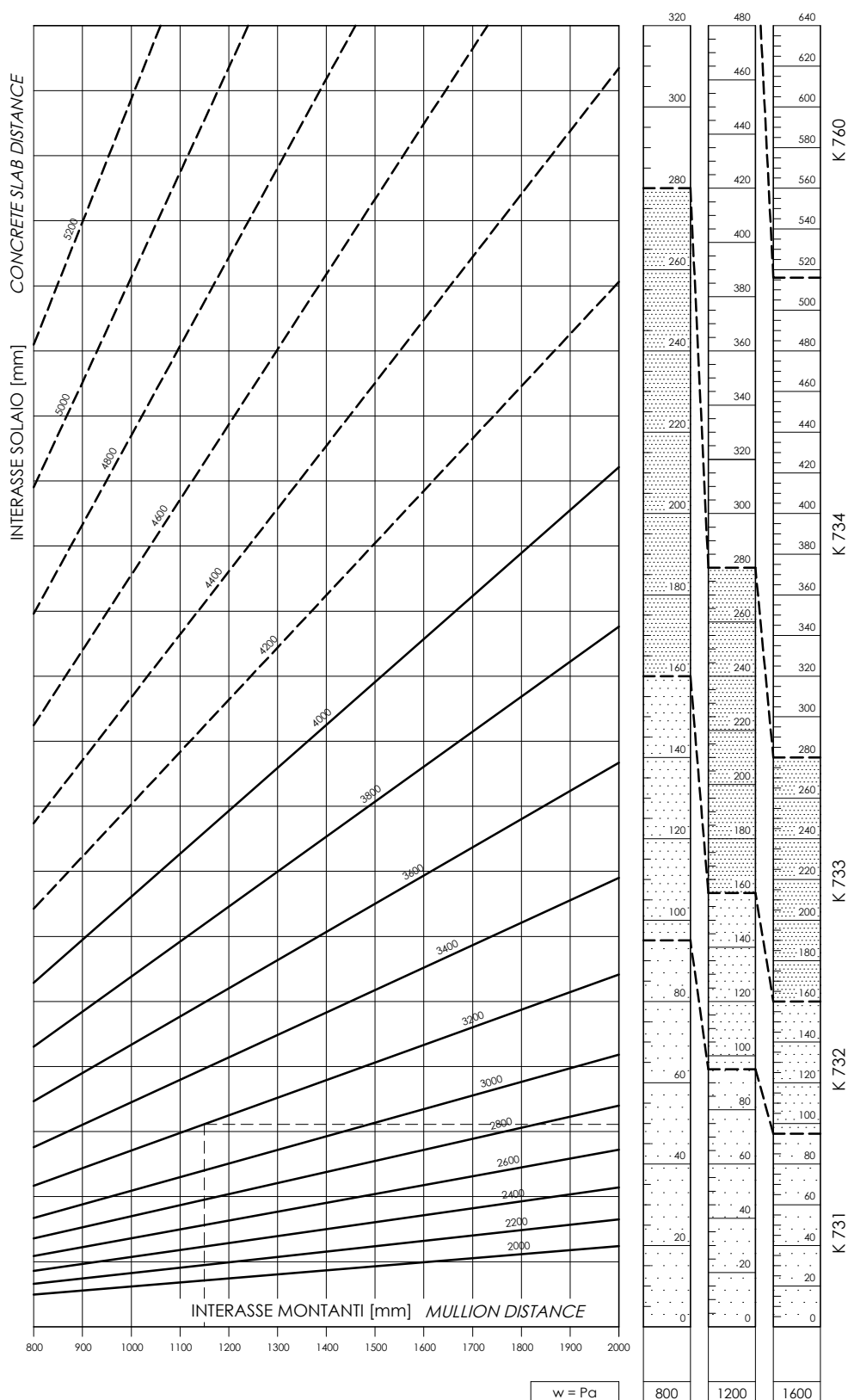
ESEMPIO DI FACCIAIA
EXAMPLE OF CURTAIN WALL

$M = 1150$ mm

$H = 3200$ mm

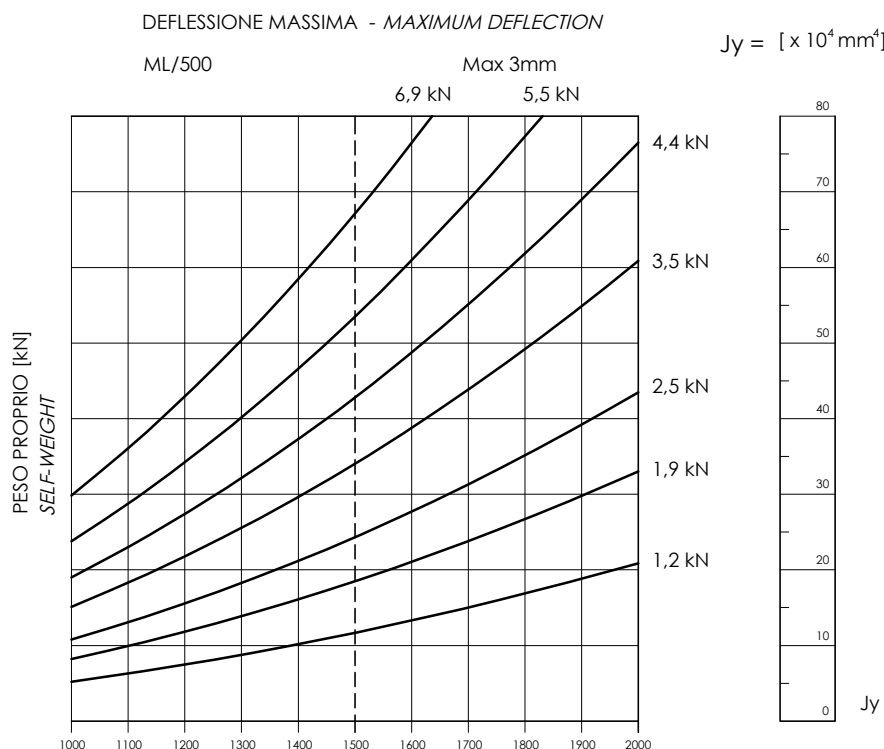
$w = 1200$ Pa

$J_x = 75 \times 10^4$ mm⁴



RESISTENZA A PESO PROPRIO EN 13830

RESISTANCE TO SELF-WEIGHT EN 13830



INTERASSE MONTANTI [mm] MULLION DISTANCE

Pesi propri di misure intermedie potranno essere ricavati per interpolazione.

Intermediate transom distances may be calculated by interpolation.

PESO DEL VETRO - GLASS WEIGHT

$$P = 0,025 \cdot s \cdot ML \cdot HM = [\text{kN}]$$

s = Spessore equivalente del vetro [mm]
Glass thickness

ML = Interasse montanti [m]
Mullion distance

HM = Interasse traverso [m]
Transom distance

Esempio
Example

$$8/12/6 = 14 \text{ mm}$$

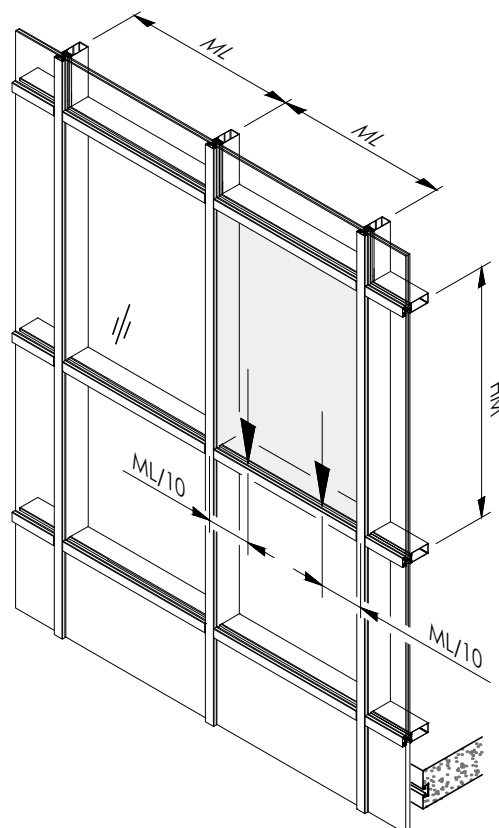
$$ML = 1150 \text{ mm}$$

$$HM = 1600 \text{ mm}$$

$$P = 0,025 \times 14 \times 1,15 \times 1,60 = 0,64 [\text{kN}]$$

DIMENSIONAMENTO TRAVERSO - TRANSOM DIMENSIONING

$$ML = 11500 [\text{mm}] \Rightarrow J_{y_{\min, tr}} = 5 \times 10 \text{ mm (da tabella)}$$

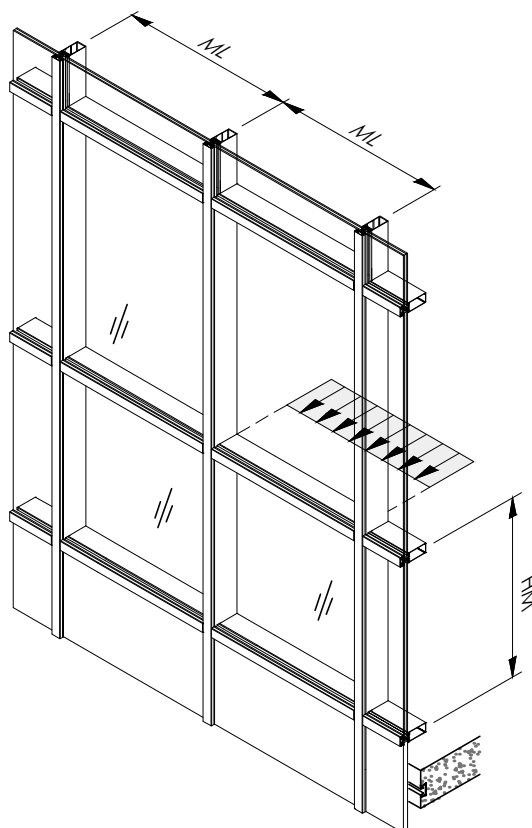


RESISTENZA A SOVRACCARICO ORIZZONTALE EN 13830

RESISTANCE TO LIVE HORIZONTAL LOADS EN 13830

Verifica alla resistenza a sovraccarico orizzontale secondo UNI EN 1991-1-1 come richiesto dalla norma UNI EN 13830 punto 4.17; i valori limite dipendono dai regolamenti nazionali.

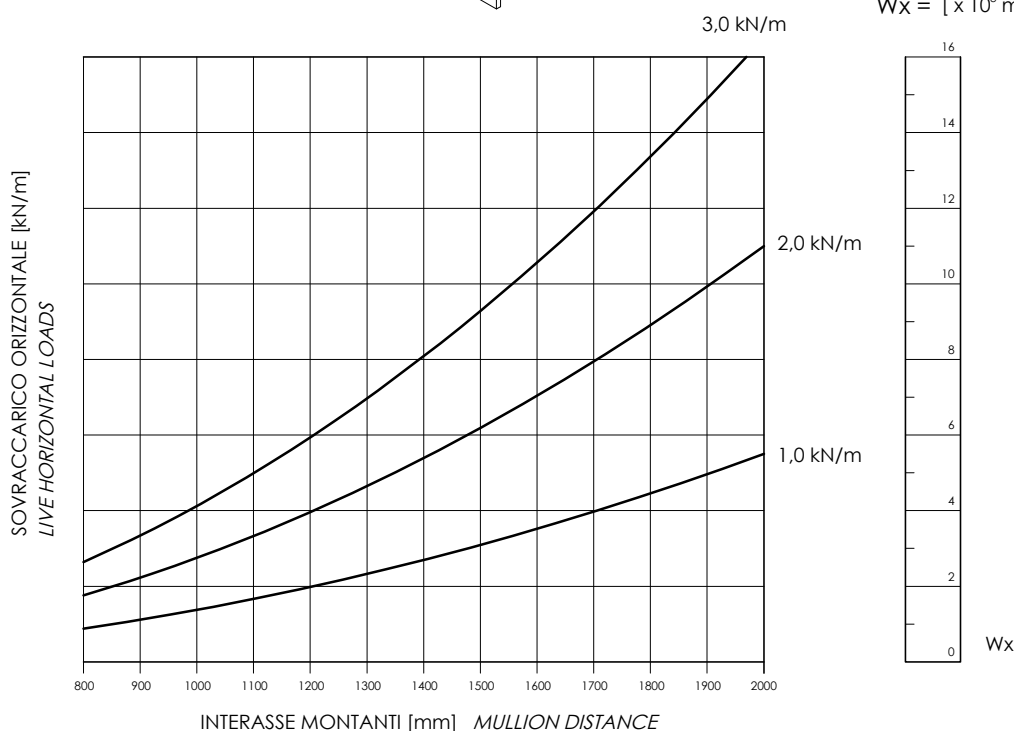
Resistance to live horizontal loads verification according to UNI EN 1991-1-1, as requested by EN 13830 ch. 4.17; threshold levels are subjected to national regulatory requirements.



HM = 1.20 m

MODULO ELASTICO DI RESISTENZA
ELASTIC MODULUS OF THE GROSS SECTION

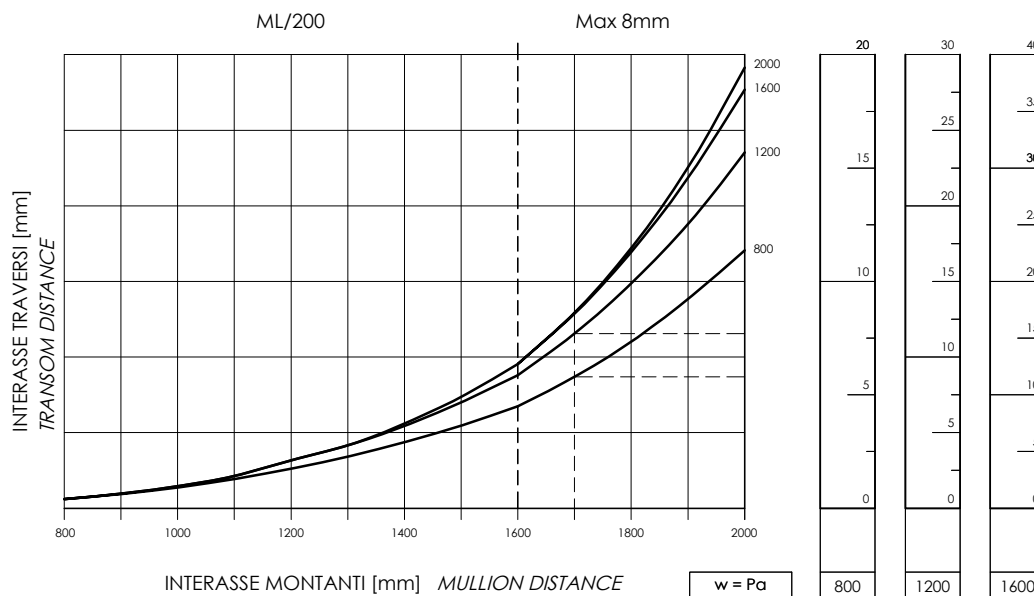
$W_x = [\times 10^3 \text{ mm}^3]$



RESISTENZA AL CARICO DI VENTO EN 13116

RESISTANCE TO WIND LOAD EN 13116

DEFLESSIONE MASSIMA - MAXIMUM DEFLECTION

 $Jx = [\times 10^4 \text{ mm}^4]$ 

Interassi traversi di misure intermedie potranno essere ricavati per interpolazione.
Intermediate transom distances may be calculated by interpolation.

DIMENSIONAMENTO TRAVERSO TRANSOM DIMENSIONING

Limite deflessione: 1/200 ML, max 8mm
Deflection limit: 1/200 ML, max 8mm

w = Pressione cinetica del vento [Pa]
Wind - pressure load

ML = Interasse montanti [m]
Mullion distance

HM = Interasse traverso [m]
Transome distance

Esempio
Example

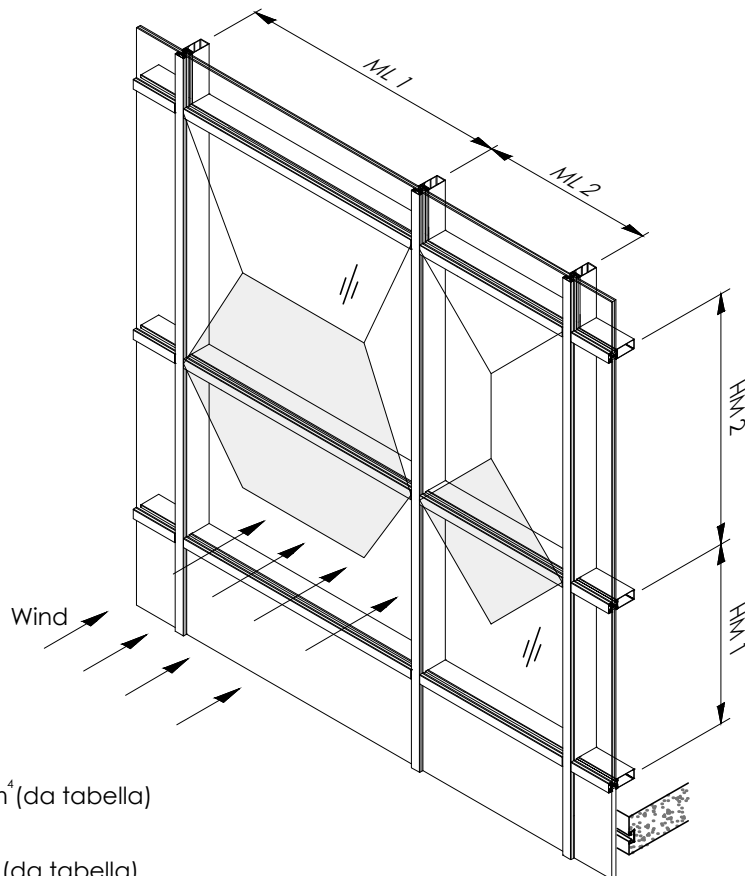
$w = 1200 \text{ [Pa]}$

$ML\ 1 = 1700 \text{ [mm]}$

$HM\ 1 = 1200 \text{ [mm]} \Rightarrow Jx_1 = 11.3 \times 10^4 \text{ mm}^4 \text{ (da tabella)}$

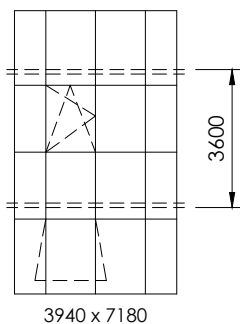
$HM\ 2 = 800 \text{ [mm]} \Rightarrow Jx_2 = 8.5 \times 10^4 \text{ mm}^4 \text{ (da tabella)}$

$Jx_{\text{min, fr}} = Jx_1 + Jx_2 = 19.8 \times 10^4 \text{ mm}^4$



COLLAUDI PRESTAZIONALI

PROVE DI TENUTA - TIGHTNESS TEST



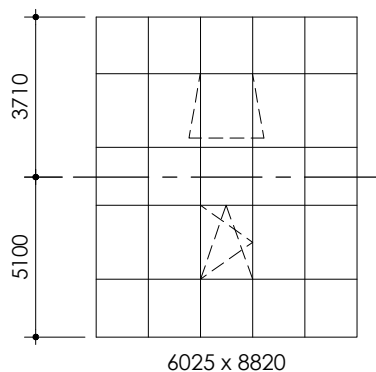
Permeabilità all'aria <i>Air permeability</i> EN 12153 EN 12152	A4
Permeabilità all'aria elementi apribili <i>Air permeability of openable parts</i> EN 12207	4
Tenuta all'acqua <i>Watertightness</i> EN 12155 EN 12154	RE ₁₅₀₀
Resistenza al carico di vento di progetto <i>Resistance to design wind load</i> EN 12179 EN 13116	2000 Pa
Resistenza al carico di vento di sicurezza <i>Resistance to safety wind load</i> EN 12179 EN 13116	3000 Pa
Laboratorio e No. certificato <i>Lab and test report No.</i>	ITC-CNR 0970-CPD-RP0326 del 08.11.07

PROVE ACUSTICHE - ACOUSTIC TEST

	3300 x 3000	1230 x 1480	
COMPOSIZIONE VETRO <i>GLASS COMPOSITION</i>	10/15/66.2 con PVB acustico	10/15/66.2 con PVB acustico	88.2/15/66.2 con PVB acustico
Potere fonoisolante della facciata <i>Sound insulation of CURTAIN WALL</i> EN ISO 140-3 EN ISO 717-1	R _w = 42 (-1;-2) dB	R _w = 43 (-2;-4) dB	R _w = 46 (-1;-4) dB
Laboratorio e No. certificato <i>Lab and test report No.</i>	ITC-CNR 4746/RP/08 del 10.07.08	ITC-CNR 4981/RP/09 del 02.10.09	ITC-CNR 4982/RP/09 del 02.10.09

COLLAUDI PRESTAZIONALI

PROVE DI TENUTA - TIGHTNESS TEST



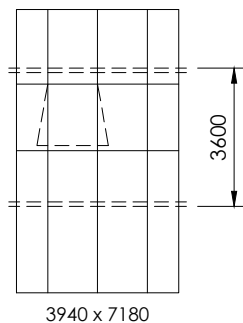
Permeabilità all'aria <i>Air permeability</i> EN 12153 EN 12152	AE750
Permeabilità all'aria elementi apribili <i>Air permeability of openable parts</i> EN 1026 EN 12207	4
Tenuta all'acqua sotto pressione statica <i>Watertightness</i> EN 12155 EN 12154	RE ₁₅₀₀
Tenuta all'acqua sotto pressione dinamica <i>Watertightness</i> EN 13050	297 Pa (min) 900 Pa (max)
Resistenza al carico di vento di progetto <i>Resistance to design wind load</i> EN 12179 EN 13116	2400 Pa
Resistenza al carico di vento di sicurezza <i>Resistance to safety wind load</i> EN 12179 EN 13116	3600 Pa
Laboratorio e No. certificato <i>Lab and test report No.</i>	1994 - CPR - RP1899 del 20.09.19

Lo stesso campione è stato sottoposto a un ciclo di prove coerente con gli American Standards AAMA / ASTM. I risultati sono disponibili su richiesta

**The same sample was tested in accord with American Standards AAMA/AMST.
The results are available on request.**

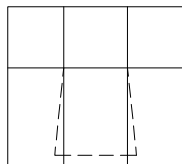
COLLAUDI PRESTAZIONALI

PROVE DI TENUTA - TIGHTNESS TEST



Permeabilità all'aria <i>Air permeability</i> EN 12153 EN 12152	A4	
Permeabilità all'aria elementi apribili <i>Air permeability of openable parts</i> EN 12207	4	
Tenuta all'acqua <i>Watertightness</i> EN 12155 EN 12154	RE ₁₅₀₀ Con sigillatura esterna <i>With weathersealing</i>	RE ₉₀₀ Con guarnizione 809569 <i>With 809569 gasket</i>
Resistenza al carico di vento di progetto <i>Resistance to designed wind load</i> EN 12179 EN 13116	RE ₁₅₀₀ + 1700 Pa - 1500 Pa	
Resistenza al carico di vento di sicurezza <i>Resistance to safety wind load</i> EN 12179 EN 13116	+ 2600 Pa - 2300 Pa	
Laboratorio e No. certificato <i>Lab and test report No.</i>	ITC-CNR 0970-CPD-RP0326 del 08.11.07	

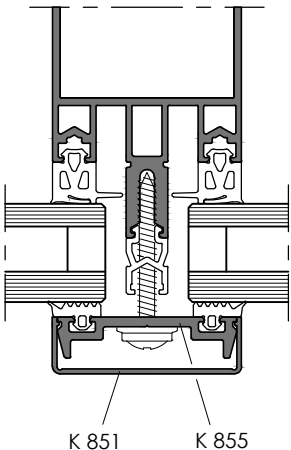
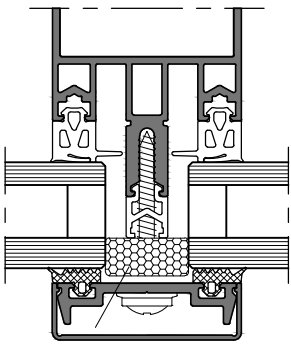
PROVE ACUSTICHE - ACOUSTIC TEST



COMPOSIZIONE VETRO <i>GLASS COMPOSITION</i>	10/15/44.1 con PVB acustico
Potere fonoisolante della facciata <i>Sound insulation of CURTAIN WALL</i> EN ISO 140-3 EN ISO 717-1	R _W = 44 (-1;-3) dB
Laboratorio e No. certificato <i>Lab and test report No.</i>	ITC-CNR 4748/RP/08 del 10.07.08

TRASMITTANZA TERMICA U_f - U_f THERMAL TRASMITTANCE

VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2 (*)

	VETRO [mm]	W/m ² K								
		K 730 55	K 731 80	K 732 105	K 733 130	K 734 155	K 760 180	K 735 205	K 769 240	K 762 330
 K 851 K 855	22÷27	2.16	2.19	2.23	2.26	2.29	2.30	2.31	2.33	2.37
	28÷33	1.87	1.90	1.92	1.95	1.97	1.98	1.99	2.00	2.03
	34÷37	1.67	1.69	1.71	1.72	1.74	1.75	1.75	1.76	1.79
	38÷43	1.57	1.59	1.61	1.62	1.64	1.65	1.65	1.66	1.68
	44÷49	1.43	1.44	1.46	1.47	1.48	1.49	1.49	1.50	1.51
	50÷55	1.31	1.32	1.34	1.35	1.36	1.36	1.37	1.37	1.40
	56÷60	1.22	1.23	1.24	1.25	1.26	1.26	1.27	1.27	1.28
 809618	28÷32	1.24	1.25	1.26	1.27	1.28	1.28	1.29	1.29	1.31
	34÷36	1.10	1.11	1.12	1.12	1.13	1.13	1.14	1.14	1.15
	38÷42	1.05	1.06	1.07	1.08	1.09	1.09	1.10	1.10	1.11
	44÷48	0.99	1.00	1.00	1.01	1.01	1.01	1.02	1.02	1.03
	50÷54	0.91	0.92	0.92	0.93	0.93	0.94	0.94	0.95	0.95
	56÷60	0.86	0.87	0.87	0.88	0.88	0.88	0.89	0.89	0.90

In accordo con l'allegato E della norma UNI EN ISO 12631:2017, ai valori indicati in tabella (MONTANTI) va aggiunto il fattore correttivo pari a 0.07 W/m²K dovuto alla presenza delle viti di fissaggio dei pressori.

* According to the Annex E of the UNI EN ISO 12631: 2017 standard, a corrective factor equal to 0.07 W/m²K must be added to the values indicated in the above table (MULLIONS), due to the presence of the screws to fix the pressure plates.

TRASMITTANZA TERMICA U_f - U_f THERMAL TRASMITTANCE

VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2 (*)

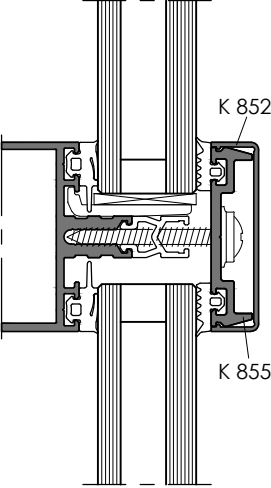
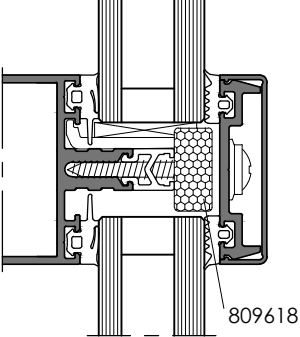
[illegible]

In accordo con l'allegato E della norma UNI EN ISO 12631:2017, ai valori indicati in tabella (MONTANTI) va aggiunto il fattore correttivo pari a 0.07 W/m²K dovuto alla presenza delle viti di fissaggio dei pressori.

* According to the Annex E of the UNI EN ISO 12631: 2017 standard, a corrective factor equal to 0.07 W/m²K must be added to the values indicated in the above table (MULTIIONS), due to the presence of the screws to fix the pressure plates.

TRASMITTANZA TERMICA U_f - U_f THERMAL TRANSMITTANCE

VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2 (*)

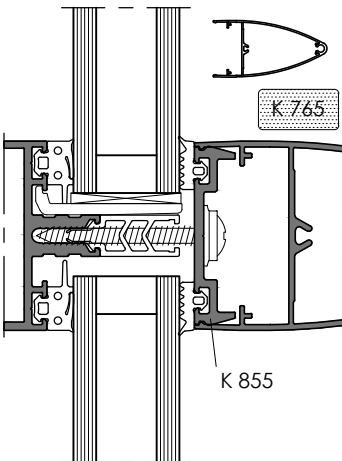
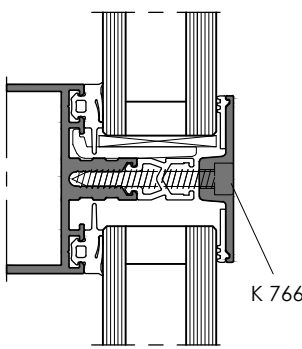
	VETRO [mm]	W/m ² K							
		K 740 35	K 741 60	K 742 85	K 743 110	K 744 135	K 745 160	K 746 185	K 747 210
	22÷27	2.09	2.15	2.20	2.26	2.28	2.30	2.32	2.34
	28÷33	1.91	1.92	1.92	1.93	1.95	1.96	1.98	1.99
	34÷37	1.62	1.65	1.68	1.71	1.73	1.74	1.76	1.77
	38÷43	1.57	1.60	1.62	1.65	1.66	1.68	1.69	1.70
	44÷49	1.44	1.46	1.47	1.49	1.50	1.52	1.53	1.54
	50÷55	1.33	1.35	1.36	1.38	1.39	1.40	1.41	1.42
	56÷60	1.25	1.26	1.28	1.29	1.30	1.31	1.31	1.32
	28÷32	1.22	1.24	1.26	1.27	1.29	1.30	1.30	1.31
	34÷36	1.08	1.10	1.11	1.13	1.14	1.14	1.15	1.15
	38÷42	1.06	1.08	1.09	1.11	1.12	1.12	1.13	1.13
	44÷48	1.00	1.01	1.03	1.04	1.05	1.05	1.06	1.06
	50÷54	0.93	0.94	0.95	0.96	0.97	0.98	0.98	0.98
	56÷60	0.89	0.90	0.91	0.91	0.92	0.93	0.93	0.94

In accordo con l'allegato E della norma UNI EN ISO 12631:2017, ai valori indicati in tabella (TRAVERSI) va aggiunto il fattore correttivo pari a 0.11 W/m²K dovuto alla presenza delle viti di fissaggio dei pressori.

* According to the Annex E of the UNI EN ISO 12631: 2017 standard, a corrective factor equal to 0.11 W/m²K must be added to the values indicated in the above table (TRANSOMS), due to the presence of the screws to fix the pressure plates.

TRASMITTANZA TERMICA U_f - U_f THERMAL TRANSMITTANCE

VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2 (*)

	VETRO [mm]	W/m ² K							
		K 740 35	K 741 60	K 742 85	K 743 110	K 744 135	K 745 160	K 746 185	K 747 210
	22÷27	2.21	2.27	2.33	2.39	2.42	2.44	2.47	2.49
	28÷33	2.02	2.03	2.03	2.04	2.06	2.07	2.09	2.10
	34÷37	1.70	1.73	1.77	1.80	1.81	1.83	1.84	1.85
	38÷43	1.64	1.67	1.71	1.74	1.75	1.76	1.77	1.78
	44÷49	1.50	1.52	1.55	1.57	1.58	1.59	1.60	1.61
	50÷55	1.39	1.41	1.43	1.45	1.46	1.47	1.47	1.48
	56÷60	1.29	1.31	1.33	1.35	1.36	1.37	1.37	1.38
	30	2.10	2.17	2.23	2.26	2.29	2.31	2.32	2.35

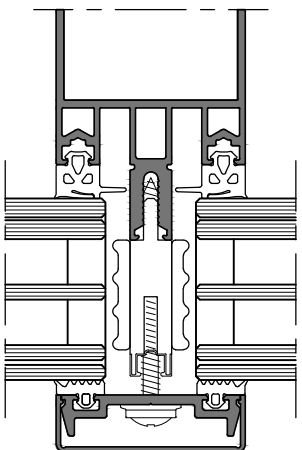
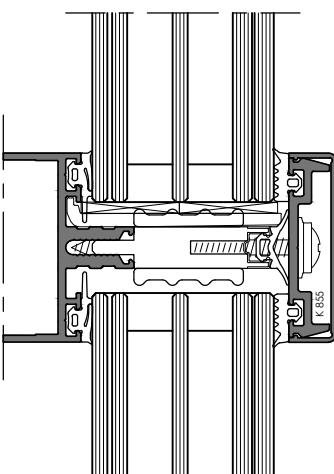
In accordo con l'allegato E della norma UNI EN ISO 12631:2017, ai valori indicati in tabella (TRAVERSI) va aggiunto il fattore correttivo pari a 0.11 W/m²K dovuto alla presenza delle viti di fissaggio dei pressori.

* According to the Annex E of the UNI EN ISO 12631: 2017 standard, a corrective factor equal to 0.11 W/m²K must be added to the values indicated in the above table (TRANSOMS), due to the presence of the screws to fix the pressure plates.

SOLUZIONE FORNIBILE SU PROGETTO - VERIFICARE LE MODALITA' DI APPROVVIGIONAMENTO
SOLUTION CAN BE PROVIDED ON A PROJECT BASIS - VERIFY THE MODE OF PROCUREMENT

TRASMITTANZA TERMICA U_f - U_f THERMAL TRANSMITTANCE

VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2 (*)

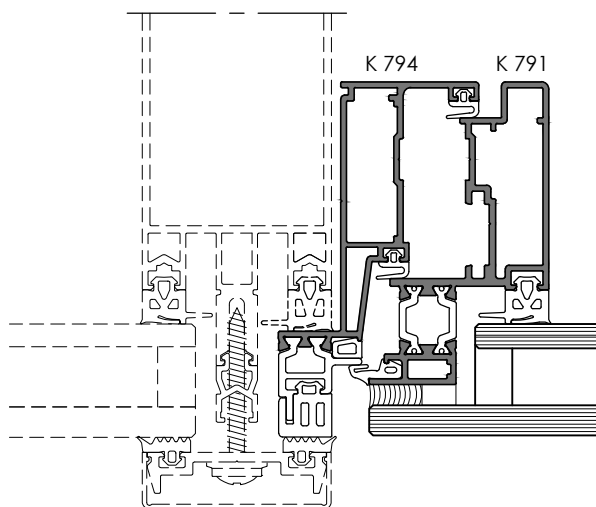
	VETRO [mm]	$W/m^2 K$								
		K730	K731	K732	K733	K734	K760	K735	K769	K762
		55	80	105	130	155	180	205	240	330
	44÷49	0.76	0.76	0.76	0.77	0.78	0.77	0.77	0.78	0.78
	50÷55	0.69	0.69	0.70	0.70	0.70	0.70	0.71	0.71	0.71
	56÷60	0.64	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.66
	VETRO [mm]	$W/m^2 K$								
		K740	K741	K742	K743	K744	K745	K746	K747	
		35	60	85	110	135	160	185	210	
	44÷49	0.76	0.76	0.77	0.77	0.77	0.77	0.77	0.77	
	50÷55	0.69	0.69	0.70	0.70	0.70	0.70	0.70	0.70	
	56÷60	0.65	0.64	0.64	0.65	0.64	0.64	0.64	0.66	

In accordo con l'allegato E della norma UNI EN ISO 12631:2017, ai valori indicati in tabella (MONTANTI) va aggiunto il fattore correttivo pari a 0.07 W/m^2K dovuto alla presenza delle viti di fissaggio dei pressori.

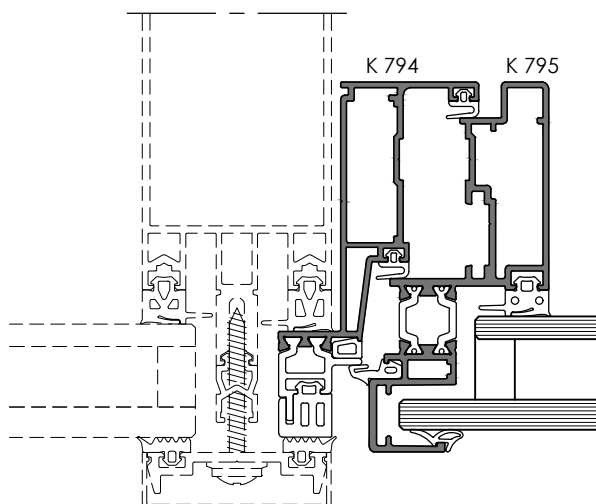
* According to the Annex E of the UNI EN ISO 12631: 2017 standard, a corrective factor equal to 0.07 W/m^2K must be added to the values indicated in the above table (MULLIONS), due to the presence of the screws to fix the pressure plates.

TRASMITTANZA TERMICA U_f - U_f THERMAL TRANSMITTANCE

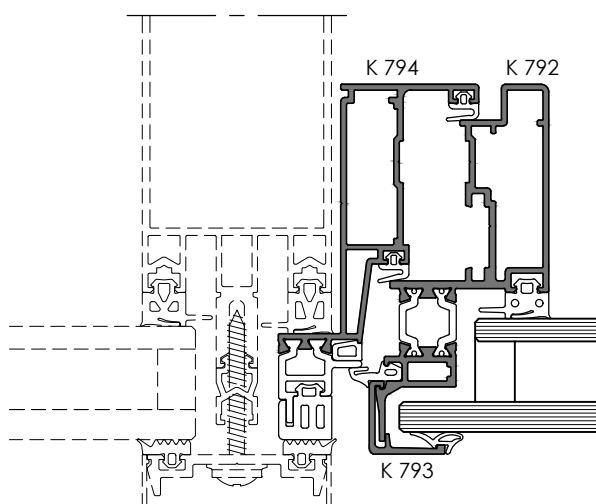
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2

W/m²K

3.34



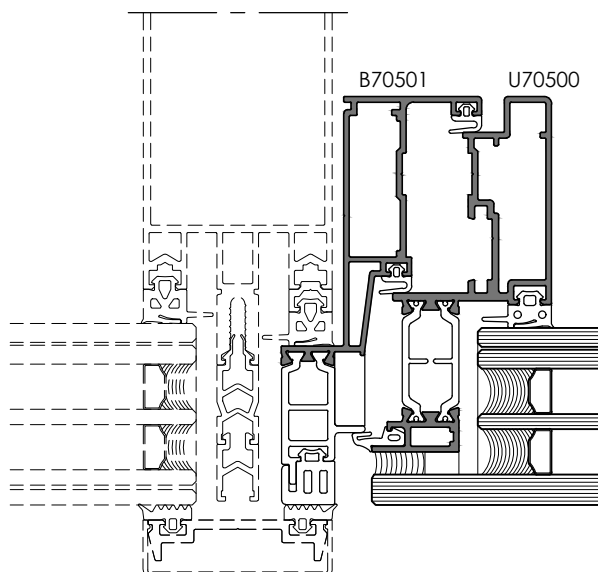
3.98



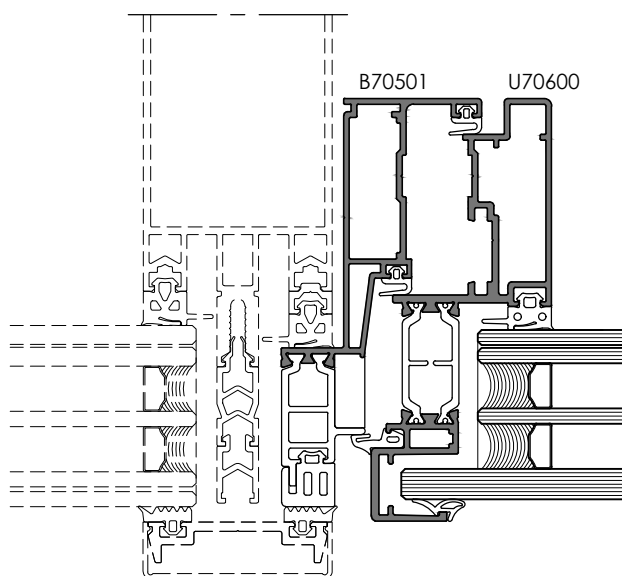
3.94

**TRASMITTANZA TERMICA U_f - U_f THERMAL TRANSMITTANCE**

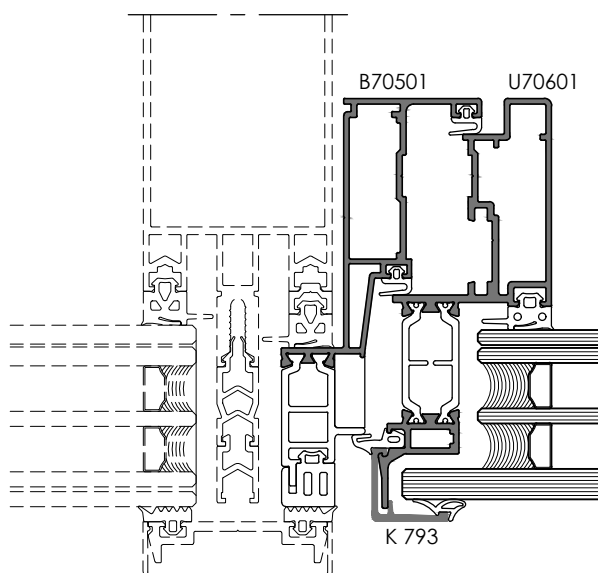
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2

W/m²K

2.38



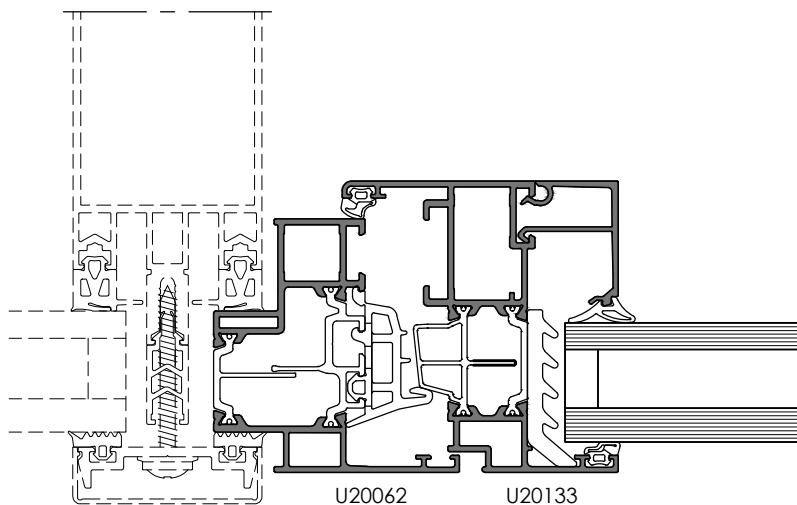
2.63



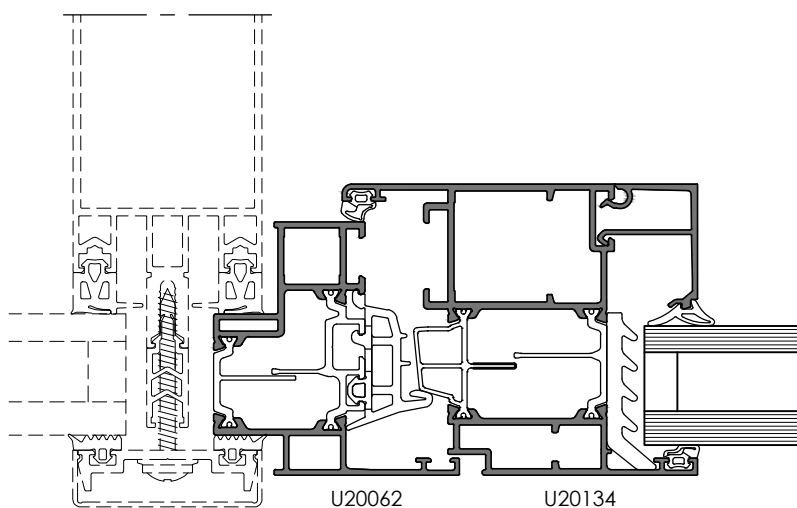
2.57

TRASMITTANZA TERMICA U_f - U_f THERMAL TRASMITTANCE

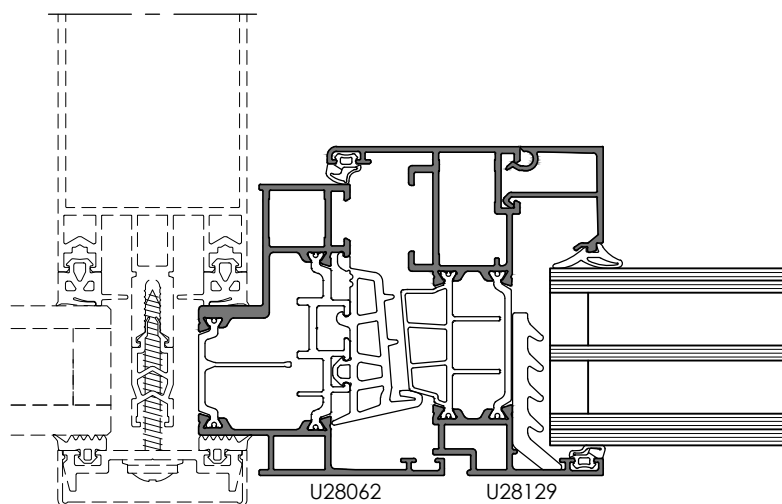
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2

 W/m^2K 

1.80



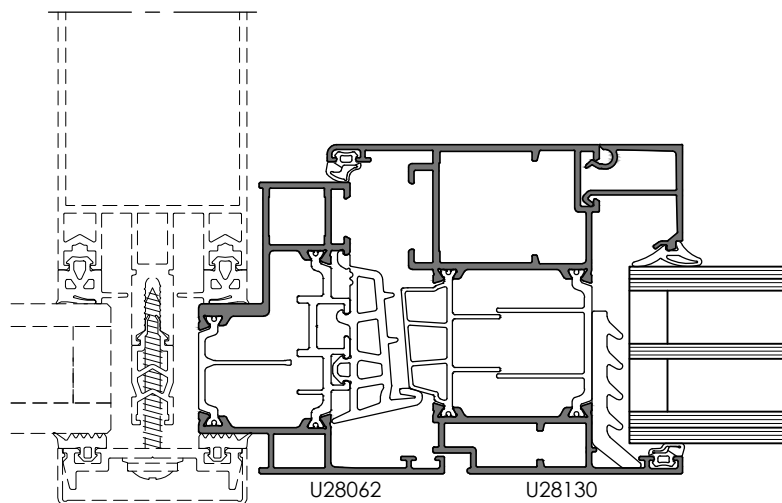
1.72



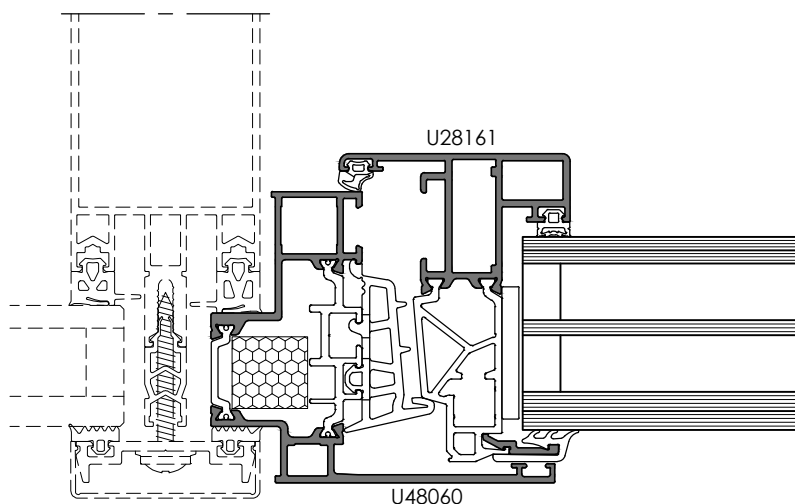
1.59

TRASMITTANZA TERMICA U_f - U_f THERMAL TRASMITTANCE

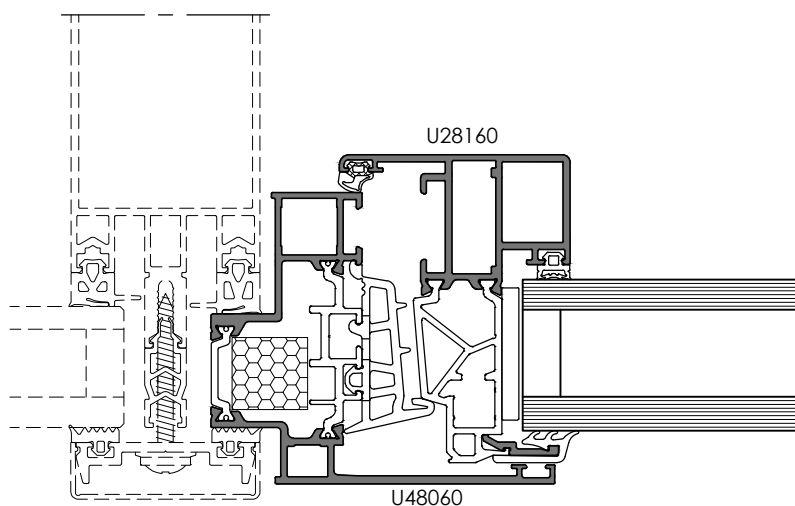
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - VALUE ACCORDING TO UNI EN ISO 10077-2

W/m²K

1.54



1.49

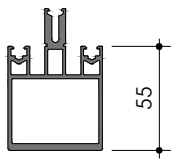


1.50

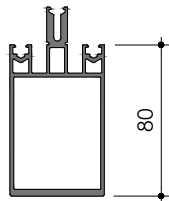
SL	SG
●	●

MONTANTI - MULLIONS

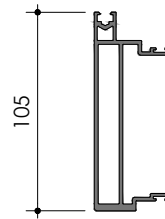
K730



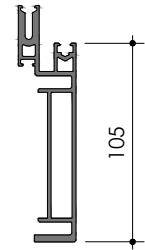
K731



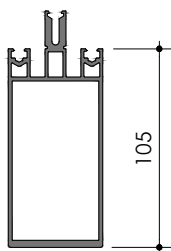
K736



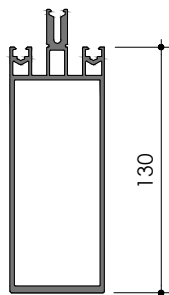
K737



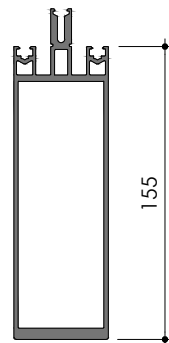
K732



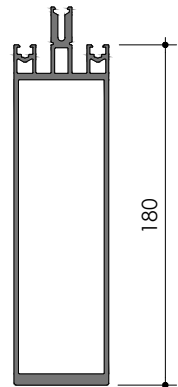
K733



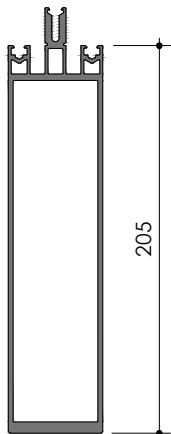
K734



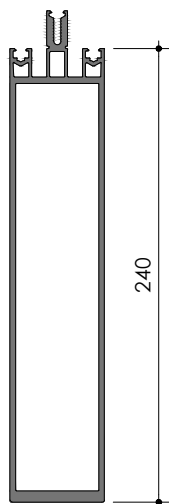
K760



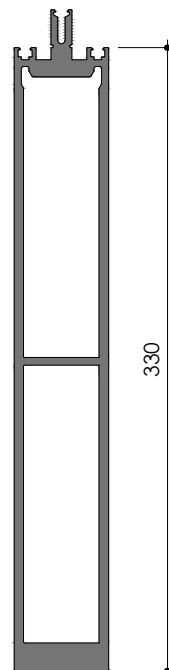
K735



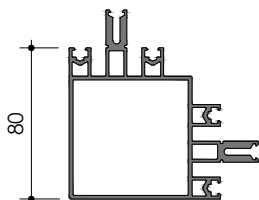
K769



K762



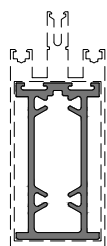
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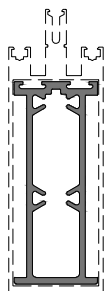
K739



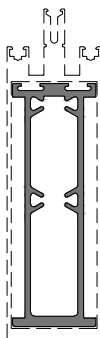
RINFORZI - REINFORCEMENT

**K1800**

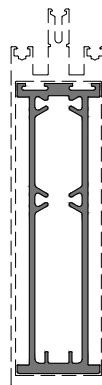
per K732

**K1801**

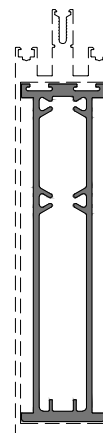
per K733

**K1805**

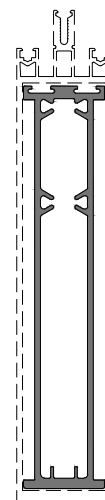
per K734

**K1828**

per K760

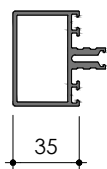
**K1806**

per K735

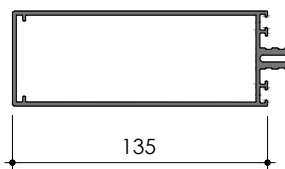
**K1807**

per K769

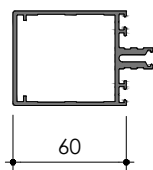
TRAVERSI - TRANSOMS

K740

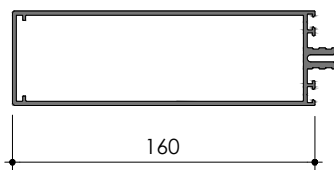
35

K744

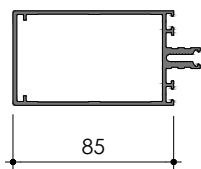
135

K741

60

K745

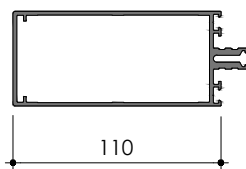
160

K742

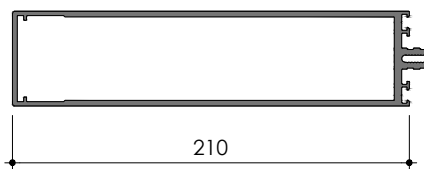
85

K746

185

K743

110

K747

210

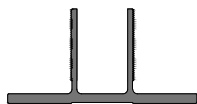
DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

SUPPORTI - BRACKETS

K1803



K1804

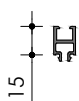


K1819



ADATTATORI PER VETRAZIONE - GLAZING ADAPTORS

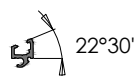
K828



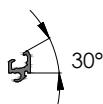
K781



K782



K783



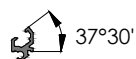
K894



K785

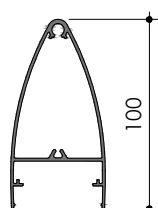


K784



PRESSORI E COPERTINE - PRESSURE PLATES AND COVERS

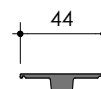
K765



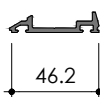
K768



K766



K767



N70304



K831



K780



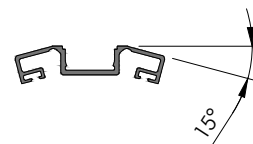
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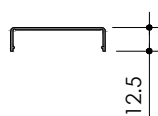
K832



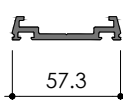
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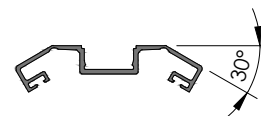
K852



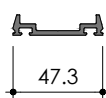
K830



K778



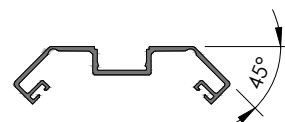
K855



K836

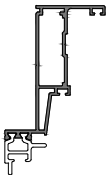
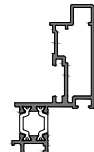
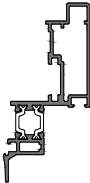
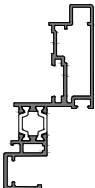
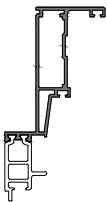
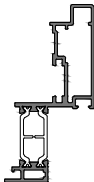
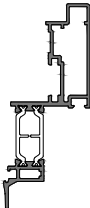
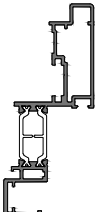
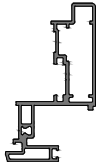


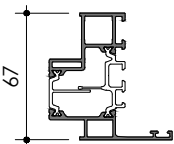
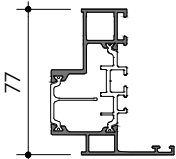
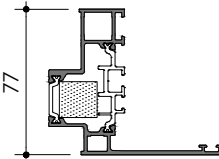
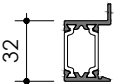
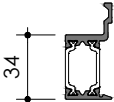
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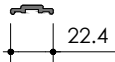
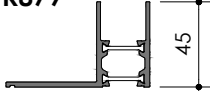
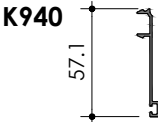
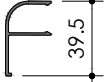
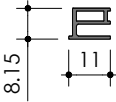




DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

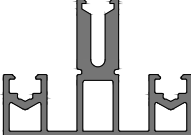
PROFILI SPORGERE - TOP HUNG SECTIONS				
SL50 e SG50		SL50		
K794	K791	K792	K795	
				
B70501	U70500	U70601	U70600	
				
			K793	
				

PROFILI DI COMPLETAMENTO - COMPLETION SECTIONS SERIE SL50				
U20062 C67K	U28062 C77K	U48060 C77K-CS		
				
U51261 D67	U52261 D77			
				

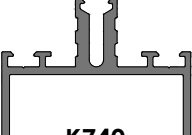
PROFILI COMPLEMENTARI - COMPLEMENTARY SECTIONS				
SL50 e SG50				SG50
K621	K879	K940	K963	K934
				

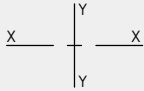
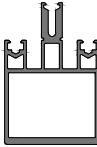
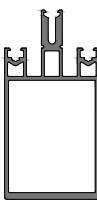
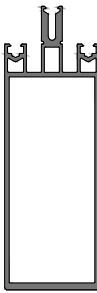
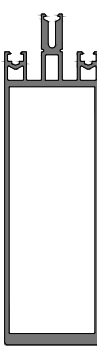
COMBINAZIONI MONTANTI/TRAVERSI - MULLION/TRANSOM COMBINATIONS

MONTANTI MULLIONS

	
K730	55 mm - $J_x = 39.47 \text{ cm}^4$
K731	80 mm - $J_x = 89.05 \text{ cm}^4$
K732	105 mm - $J_x = 164.60 \text{ cm}^4$
K733	130 mm - $J_x = 280.78 \text{ cm}^4$
K734	155 mm - $J_x = 516.57 \text{ cm}^4$
K760	180 mm - $J_x = 737.54 \text{ cm}^4$
K735	205 mm - $J_x = 1023.85 \text{ cm}^4$
K769	240 mm - $J_x = 1577.52 \text{ cm}^4$
K762	330 mm - $J_x = 5791.21 \text{ cm}^4$

TRAVERSI TRANSOMS

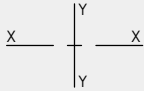
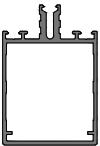
	
K740	35 mm - $J_x = 9.97 \text{ cm}^4$
K741	60 mm - $J_x = 32.86 \text{ cm}^4$
K742	85 mm - $J_x = 72.12 \text{ cm}^4$
K743	110 mm - $J_x = 131.89 \text{ cm}^4$
K744	135 mm - $J_x = 219.43 \text{ cm}^4$
K745	160 mm - $J_x = 366.87 \text{ cm}^4$
K746	185 mm - $J_x = 523.11 \text{ cm}^4$
K747	210 mm - $J_x = 834.19 \text{ cm}^4$

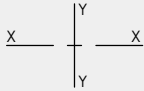
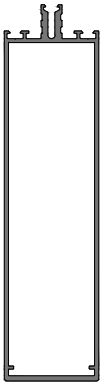
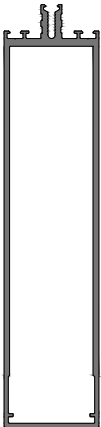
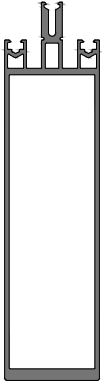
	PROFILO PROFILE	SERIE SL SG	PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K621	● ●	0.16	15					5.18
	K730	● ●	2.12	160	39.47	9.57	19.43	7.77	5.01
	K731	● ●	2.40	209	89.05	17.30	25.19	10.08	5.01
	K732	● ●	2.68	260	164.60	26.21	30.95	12.38	5.01
	K733	● ●	3.23	309	280.78	36.84	40.38	16.15	5.02
	K734	● ●	3.97	359	516.57	57.63	49.67	19.87	5.02



DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	PROFILO PROFILE	SERIE SL SG	PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K735	● ●	4.93	459	1023.85	89.17	68.26	27.30	5.03
	K736	● ●	1.71	127	74.48	13.43	6.26	2.18	5.05
	K737	● ●	2.18	127	120.49	18.27	7.05	3.94	5.05
	K738	● ●	3.29	160	103.00	18.33	103.00	18.33	5.05
	K739	●	0.75	-					5.09
	K740	● ●	1.27	120	9.97	3.78	11.74	4.69	5.06

	PROFILO PROFILE	SERIE		PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
SL	SG									
	K741	●	●	1.54	170	32.86	8.85	16.99	6.79	5.06
	K742	●	●	1.78	220	72.12	14.18	21.95	8.78	5.06
	K743	●	●	2.06	270	131.89	20.51	27.76	11.10	5.07
	K744	●	●	2.44	320	219.43	28.39	35.21	14.08	5.07
	K745	●	●	2.98	369	366.87	42.13	44.68	17.87	5.07

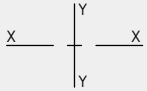
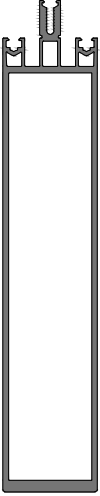
	PROFILO PROFILE	SERIE SL SG	PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K746	● ●	3.29	419	523.11	52.37	50.97	20.39	5.08
	K747	● ●	4.55	469	834.19	70.22	70.95	28.38	5.08
	K760	● ●	4.30	409	736.54	72.73	56.22	22.49	5.03



DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	PROFILO PROFILE	SERIE SL SG		PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K762	●	●	12.95	709	5791.21	308.04	179.95	71.98	5.04
	K765	●	●	1.24	213					5.11
	K766	●		0.47	48					5.11
	K767 K767F*	●		0.45	-					5.09
	K768	●		0.23	67					5.09

(*) FORATO A PASSO - PITCHED HOLES

	PROFILO PROFILE	SERIE SL SG		PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K769	●	●	5.95	529	1577.52	118.96	87.33	34.93	5.04
	K777	●		0.94	82					5.12
	K778	●		1.08	104					5.12
	K779	●		1.27	138					5.12
	K780	●		0.17	28					5.12
	K781	●	●	0.15	6					5.13
	K782	●	●	0.16	6					5.13



DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

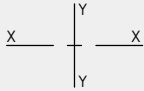
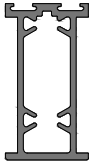
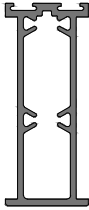
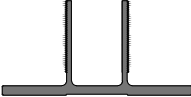
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	K783	●	●	0.18	6					5.13
	K784	●	●	0.19	6					5.13
	K785	●	●	0.20	6					5.13
	K791	●	●	1.38	87	19.75	4.48	7.50	2.65	5.14
	K792	●		1.45	87	23.03	4.82	8.86	3.49	5.16
	K793	●		0.19	42					5.16
	K794	●	●	1.16	41	20.90	5.45	4.22	0.13	5.14
	K795	●		1.59	129	31.29	6.16	10.92	4.34	5.17
	K796	●		1.39	86	30.09	6.32	9.60	3.62	5.17

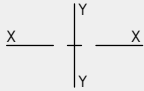
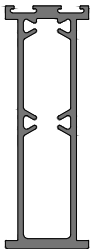
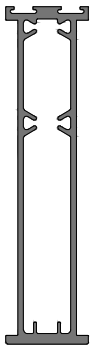
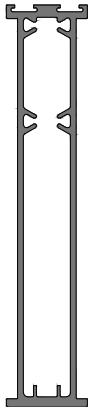


DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	PROFILO PROFILE	SERIE SL SG		PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K828	●		0.19	30					5.13
	K830 K830F*	●		0.68	-					5.10
	K831	●		0.38	100					5.10
	K832	●		0.32	88					5.10
	K836	●		0.65	-					5.10
	K851	●	●	0.27	80					5.09
	K852	●	●	0.26	73					5.09
	K855 K855F*	●	●	0.48	-					5.09
	K879	●	●	1.25	134					5.18
	K894	●	●	0.12	12					5.13

(*) FORATO A PASSO - PITCHED HOLES

	PROFILO PROFILE	SERIE SL SG	PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K934	●	0.37	40					5.14
	K940	● ●	0.28	-					5.18
	K963	● ●	0.33	61					5.18
	K1800	● ●	2.57	-	79.58	18.81	15.80	7.18	5.51
	K1801	● ●	2.98	-	146.73	26.18	18.68	8.49	5.51
	K1803	● ●	1.19	-					5.55
	K1804	● ●	8.34	-					5.55

	PROFILO PROFILE	SERIE		PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K1805	●	●	3.56	-	260.20	39.85	21.95	9.98	5.52
	K1806	●	●	4.46	-	608.73	67.14	27.81	12.70	5.53
	K1807	●	●	5.02	-	942.06	87.07	31.32	14.57	5.54
	K1819	●	●	0.66	-					5.55



DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	PROFILO PROFILE	SERIE SL SG		PESO kg/m WEIGHT	SUP. OX mm OX SUR.	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAG PAGE
	K1828	●	●	4.04	-	414.62	53.41	24.86	11.35	5.52
	B70501	●		1.20	41	20.83	4.36	4.23	1.47	5.15
	N70304	●		0.77	178					5.11
	U20062	●		1.50	109	19.22	5.21	10.64	2.62	5.20
	U28062	●		1.47	109	27.16	6.38	10.48	2.59	5.19
	U48060	●		1.70	138	32.63	6.92	26.80	4.46	5.19

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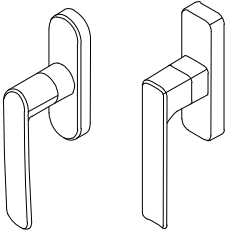
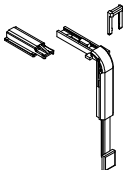
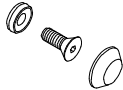
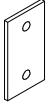
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K 731				○
K 732		○		○
K 733		○		○
K 734		○		○
K 735				○
K 736				○
K 737				○
K 738				○
K 739				○
K 760				○
K 762				○
K 769				○
K 1800				○
K 1801				○
K 1803			○	
K 1804	○			
K 1805				○
K 1806				○
K 1807				○
K 1819	○			
K 1828				○

LEGENDA FINITURE - PER ARTICOLI SPECIFICI VEDI CARTELLA FINITURE
 SURFACE FINISHING ENCODING - SEE CODES ON FINISHING FOLDER

7__X	FINITURA	FINISHING
7__1	ARGENTO	SILVER
7__2	BRONZO	BRONZE
7__3	OTTONE	BRASS
7__4	ELETTROCOLORE	DARK BRONZE
7__5	NERO	BLACK
7__6	TITANIO	TITAN
7__7	GREZZO	RAW
7__8	V. RAL	V. RAL
7__8	RAL 9010	RAL 9010
7__9	BW 21	BW 21

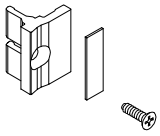
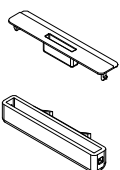
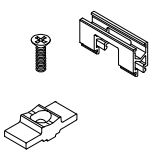
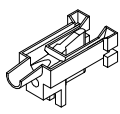
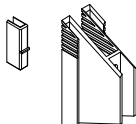
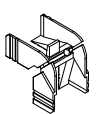
 A RICHIESTA - ON REQUEST

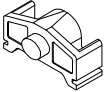
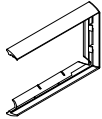
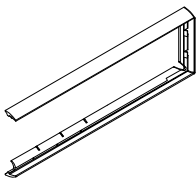
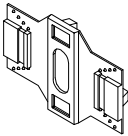
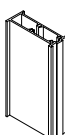
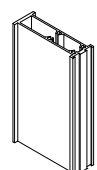
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 U. S. *PIECE FOR PACKING*

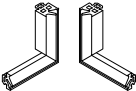
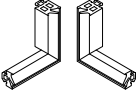
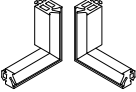
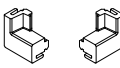
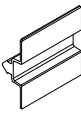
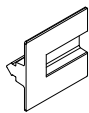
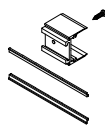
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				Vedi catalogo maniglie. <i>See handle catalogue.</i>	
	702222	GR	● ●	RINVIO D'ANGOLO PER SPORGERE <i>CORNER TRANSMISSION</i>	1
	703035	NERO BLACK	●	VITE RONDELLA E TAPPO PER UNIONE MONTANTI <i>SCREW WASHER AND PLUG FOR MULLIONS CONNECTION</i>	20
	703036	GR	● ●	PIASTRINE ISOLANTI PER ATTACCHI <i>INSULATING SPACER FOR JUNCTION ATTACHMENT</i>	100
	703047	NERO BLACK	● ●	RONDELLA SPECIALE PER VITI FISSAGGIO PRESSORI <i>SPECIAL WASHER FOR PRESSURE PLATE SCREW</i>	200



DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	CODICE CODE	FINITURA FINISHING	SERIE		DESCRIZIONE DESCRIPTION	U.V. U.S.
			SL	SG		
		-		●	CANALINO ADESIVIZZATO PER RITEGNO VETRO SG50S - SG50P ADHESIVE SECTION FOR GLASS RETAINING	100
	703092	-		●	BLOCCHETTO DI RITEGNO SINGOLO PER VETROCAMERA SG50S - SG50P SINGLE RETAINING BLOCK FOR IGU	50
	703095	-		●	CANALINO PER RITEGNO VETRO SG50 SECTION FOR GLASS RETAINING	100
	703096	-		●	CAMMES PER BLOCCAGGIO VETROCAMERA SG50 GLASS RETAINING DEVICE SG50	50
	704000	NERO BLACK	●	●	DRENAGGIO MONTANTI MULLION DRAINAGE	20
	704010	NERO BLACK	●	●	COPRIGIUNTO PER MONTANTI MULLION JOINT COVERING	20
	704011	NERO BLACK	●	●	COPRIGIUNTO INTERNO PER MONTANTI MULLION INSIDE COVER JOINT	20

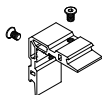
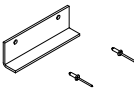
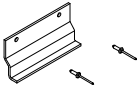
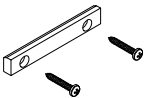
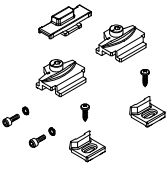
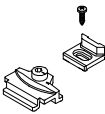
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	704020	GR	●	●	MENSOLA A PULSANTE PER TRAVERSI BUTTON SUPPORT FOR TRANSOM	250
	704023	EPDM	●	●	FLANGIA DI FINITURA TRAVERSI (Per traversi K 740, K 741, K 742) TRANSOM FINISHING FLANGE (For transom K 740, K 741, K 742)	50
	704024	EPDM	●	●	FLANGIA DI FINITURA TRAVERSI (Per traversi K 743, K 744, K 745, K 746) TRANSOM FINISHING FLANGE (For transom K 743, K 744, K 745, K 746)	50
	704030	EPDM	●	●	FLANGIA TENUTA PRESSORI PRESSURE PLATE FLANGE	50
	704033	EPDM	●	●	GUARNIZIONE TENUTA TRAVERSO TRANSOM TIGHTNESS GASKET 	100
	704035	-	●	●	VITE AUTOFILETTANTE PER FISSAGGIO TRAVERSI TAPPING SCREW FOR TRANSOM	100
	704050	GR	●	●	GIUNTO DI DILATAZIONE PER MONTANTE K 732 Barrette antifrizione 800008 e 800033 non comprese. antifriction bar not included DILATATION JOINT FOR K 732 MULLION	10
	704051	GR	●	●	GIUNTO DI DILATAZIONE PER MONTANTE K 733 Barrette antifrizione 800008 e 800033 non comprese. antifriction bar not included DILATATION JOINT FOR K 733 MULLION	10
	704052	GR	●	●	GIUNTO DI DILATAZIONE PER MONTANTE K 734 Barrette antifrizione 800008 e 800033 non comprese. antifriction bar not included DILATATION JOINT FOR K 734 MULLION	10

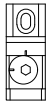
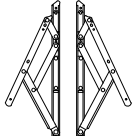
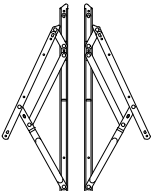
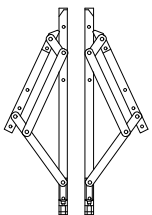
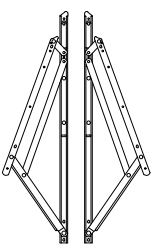
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	CODE	FINISHING	SL	SG	DESCRIPTION	U.S.
	704060	EPDM	●		COPPIA ANGOLI VULCANIZZATI PER GUARNIZIONI 809200 - 809201 VULCANIZED JOINT GASKETS	100
	704061	EPDM	●		COPPIA ANGOLI VULCANIZZATI PER GUARNIZIONI 809202 - 809203 VULCANIZED JOINT GASKETS	100
	704062	EPDM	●		COPPIE ANGOLI VULCANIZZATI PER GUARNIZIONI 809204 E 809205 VULCANIZED JOINT GASKETS	100
	704063	NERO BLACK		●	COPPIA ANGOLI VULCANIZZATI PER GUARNIZIONI 809615 - 809616 VULCANIZED JOINT GASKETS	20
	704067	EPDM	●		COPRIGIUNTO PER PRESSORE RIBASSATO K 766 JOINT COVERING FOR K 766 PRESSURE PLATE	20
	704068	EPDM	●		TAPPO PER PRESSORE TRAVERSO RIBASSATO K 766 PLUG FOR K 766 PRESSURE PLATE	50
	704080	GR	●	●	MENSOLA FISSA PER TRAVERSO K 741 FIXED BRACKET FOR K 741 TRANSOM	50
	704081	GR	●	●	KIT AGGIUNTIVO MENSOLA A CASSETTO PER K 741 K 741 ADDITIONAL KIT FOR A DRAWER BRACKET	50

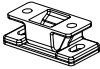
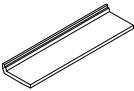
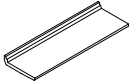
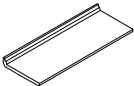
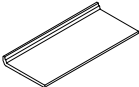
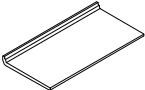


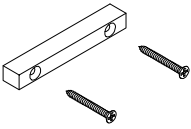
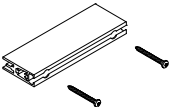
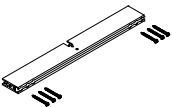
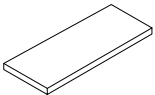
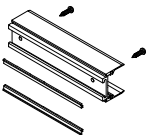
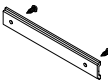
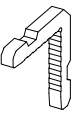
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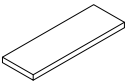
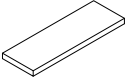
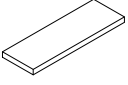
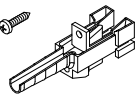
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	CODE	FINISHING	SL	SG	DESCRIPTION	U.S.
	704082	GR	●	●	MENSOLA FISSA PER TRAVERSO K 742 FIXED BRACKET FOR K 742 TRANSOM	50
	704083	GR	●	●	KIT AGGIUNTIVO MENSOLA A CASSETTO PER K 742 K 742 ADDITIONAL KIT FOR A DRAWER BRACKET	50
	704084	GR	●	●	MENSOLA FISSA PER TRAVERSO K 743 FIXED BRACKET FOR K 743 TRANSOM	50
	704085	GR	●	●	KIT AGGIUNTIVO MENSOLA A CASSETTO PER K 743 K 743 ADDITIONAL KIT FOR A DRAWER BRACKET	50
	704086	GR	●	●	MENSOLA FISSA PER TRAVERSO K 744 FIXED BRACKET FOR K 744 TRANSOM	50
	704087	GR	●	●	KIT AGGIUNTIVO MENSOLA A CASSETTO PER K 744 K 744 ADDITIONAL KIT FOR A DRAWER BRACKET	50
	704088	GR	●	●	MENSOLA FISSA PER TRAVERSO K 745 FIXED BRACKET FOR K 745 TRANSOM	50
	704089	GR	●	●	KIT AGGIUNTIVO MENSOLA A CASSETTO PER K 745 K 745 ADDITIONAL KIT FOR A DRAWER BRACKET	50
	704091	L VITE	●		VITE PER FISSAGGIO PRESSORE K 766 (Per vetro da 30mm)	100
		37 mm			SCREW FIXING PRESSURE PLATE K 766 (For glass 30mm thick)	

	CODICE CODE	FINITURA FINISHING	SERIE SL SG		DESCRIZIONE DESCRIPTION	U.V. U.S.
	704100	GR	●	●	SQUADRETTE A SPINARE E CIANFRINARE PER INFISSE A SPORGERE <i>RIVETING OR CALKING CORNER JOINT FOR TOP-HUNG WINDOW</i>	40
	704101	GR	●	●	SPINE PER SQUADRETTE 704100 <i>PINS FOR 704100 CORNER JOINT</i>	100
	704103	GR	●	●	SQUADRETTE ESTERNE BATTENTE SPORGERE <i>EXTERNAL CORNER JOINT FOR TOP-HUNG WING</i>	20
	704104	GR	●	●	SQUADRETTE A VITE PER INFISSE A SPORGERE <i>SCREW CORNER JOINT FOR TOP-HUNG WINDOW</i>	40
	704105	INOX	●	●	MENSOLA SUPPORTO VETRO BATTENTE <i>GLASS SUPPORT FOR WING</i>	20
	704106	INOX		●	MENSOLA SUPPORTO VETRO BATTENTE K791 SG50S <i>GLASS SUPPORT FOR K791 WING</i>	20
	704107	NERO BLACK	●	●	SUPPORTO PER LASTRA ESTERNA VETRO SG50 <i>BEARING FOR OUTER GLASS PANE SG50</i>	10
	704150	GR	●	●	KIT BASE CHIUSURE PER INFISSE A SPORGERE <i>LOCKING BASE KIT FOR TOP-HUNG WINDOWS</i>	1
	704152	GR	●	●	CHIUSURE SUPPLEMENTARI <i>ADDITIONAL LOCKING</i>	10

	CODICE CODE	FINITURA FINISHING	SERIE SL SG		DESCRIZIONE DESCRIPTION	U.V. U.S.
	704159	-	●	●	KIT DI FISSAGGIO COMPASSI PER APERTURA A SPORGERE <i>SELF BALANCING ARMS FIXING KIT</i>	10
	704160	INOX	●	●	COPPIA REGOLATORI PER COMPASSI: 704161, 704162, 704164 E 704165 <i>ADJUSTMENT DEVICE (COUPLE) FOR: 704161, 704162, 704164 AND 704165</i>	1
	704161	INOX	●	●	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 100 Kg Altezza Battente 600 - 1100 mm Apertura 30° <i>Sconsigliato per profili sporgere U70600 e U70601</i> <i>Not recommended for U70600 and U70601 top-hung sections</i> <i>SIDE ARM FOR PROJECTING WINDOW</i> <i>Max Sash Weight 100 Kg</i> <i>Sash Height 600 - 1100 mm</i> <i>Opening 30°</i>	1
	704162	INOX	●	●	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 100 Kg Altezza Battente 1100 - 1500 mm Apertura 45° <i>SIDE ARM FOR PROJECTING WINDOW</i> <i>Max Sash Weight 100 Kg</i> <i>Sash Height 1100 - 1500 mm</i> <i>Opening 45°</i>	1
	704164	INOX	●	●	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 90 Kg Altezza Battente 1300 - 1800 mm Apertura 23° <i>SIDE ARM FOR PROJECTING WINDOW</i> <i>Max Sash Weight 90 Kg</i> <i>Sash Height 1300 - 1800 mm</i> <i>Opening 23°</i>	1
	704165	INOX	●	●	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 180 Kg Altezza Battente 1750 - 2500 mm Apertura 20° <i>SIDE ARM FOR PROJECTING WINDOW</i> <i>Max Sash Weight 180 Kg</i> <i>Sash Height 1750 - 2500 mm</i> <i>Opening 20°</i>	1

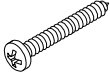
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	CODE	FINISHING	SL	SG	DESCRIPTION	U.S.
	704167	GR	●		ROSTRI PER FACCIATA PULL-IN BLOCKS	10
	704169	GR		●	SUPPORTO VETRO GLASS SUPPORT	100
	704170	GR	●	●	SUPPORTO VETRO PER TRAVERSI (VETRO DA 22÷26mm) (Vedi tavola 8.25) TRANSOM GLASS SUPPORT (FOR GLASS 22÷26mm THICK)	100
	704171	GR	●	●	SUPPORTO VETRO PER TRAVERSI (VETRO DA 28÷32mm) (Vedi tavola 8.25) TRANSOM GLASS SUPPORT (FOR GLASS 28÷32mm THICK)	100
	704172	GR	●	●	SUPPORTO VETRO PER TRAVERSI (VETRO DA 34÷42mm) (Vedi tavola 8.25) TRANSOM GLASS SUPPORT (FOR GLASS 34÷42mm THICK)	100
	704173	GR	●	●	SUPPORTO VETRO PER TRAVERSI (VETRO DA 44÷48mm) (Vedi tavola 8.25 e 8.26) TRANSOM GLASS SUPPORT (FOR GLASS 44÷48mm THICK)	100

	CODICE CODE	FINITURA FINISHING	SERIE SL SG		DESCRIZIONE DESCRIPTION	U.V. U.S.
	704175	GR	●		SUPPORTO VETRO PER STRUTTURE COMPOSTE TRANSOM GLASS SUPP. FOR COMPOSITE STRUCTURES	10
	704176	GR	●		SUPPORTO PER VETRI PESANTI (Per portate vedi tavola 8.30) HEAVY WEIGHT GLASS SUPPORT	10
	704177	GR	●		SUPPORTO PER VETRI PESANTI (Per portate vedi tavola 8.30) HEAVY WEIGHT GLASS CONTINUOUS SUPPORT	10
	704180	-	●	●	TASSELLO VETRO 100x24x3 GLASS CLEATS 100x24x3	100
	704181	-	●	●	TASSELLO VETRO 100x28x3 GLASS CLEATS 100x28x3	
	704182	-	●	●	TASSELLO VETRO 100x32x3 GLASS CLEATS 100x32x3	
	704183	-	●	●	TASSELLO VETRO 100x36x3 GLASS CLEATS 100x36x3	
	704184	-	●	●	TASSELLO VETRO 100x40x3 GLASS CLEATS 100x40x3	
	704190	GR	●	●	MENSOLA FISSA PER TRAVERSO K 746 FIXED BRACKET FOR K 746 TRANSOM	50
	704191	GR	●	●	KIT AGGIUNTIVO MENSOLA A CASSETTO PER K 746 K 746 ADDITIONAL KIT FOR A DRAWER BRACKET	50
	709998	-	●	●	MOLLETTA DI RITEGNO RETAINING CLIP	100
	710103	GR	●		SQUADRETTA CIANFRINARE ESTERNA TUB. 10.4 L=7.5 EXTERNAL CALKING CORNER JOINT TUB. 10.4 L=7.5	10

	CODICE CODE	FINITURA FINISHING	SERIE SL SG		DESCRIZIONE DESCRIPTION	U.V. U.S.
	712320	-	●	●	TASSELLO VETRO 26x2 GLASS CLEATS 26x2	50
	712321	-	●	●	TASSELLO VETRO 26x3 GLASS CLEATS 26x3	
	712322	-	●	●	TASSELLO VETRO 26x4 GLASS CLEATS 26x4	
	712323	-	●	●	TASSELLO VETRO 26x5 GLASS CLEATS 26x5	
	712324	-	●	●	TASSELLO VETRO 26x6 GLASS CLEATS 26x6	
	712330	-	●	●	TASSELLO VETRO 30x2 GLASS CLEATS 30x2	50
	712331	-	●	●	TASSELLO VETRO 30x3 GLASS CLEATS 30x3	
	712332	-	●	●	TASSELLO VETRO 30x4 GLASS CLEATS 30x4	
	712333	-	●	●	TASSELLO VETRO 30x5 GLASS CLEATS 30x5	
	712334	-	●	●	TASSELLO VETRO 30x6 GLASS CLEATS 30x6	
	712344	-	●	●	TASSELLO VETRO 24x6 GLASS CLEATS 24x6	50
	791010	GR		●	SQUADRETTE A CIANFRINARE PER K934 CALKING CORNER JOINTS FOR K934	50
	V51016	NERO BLACK	●	●	DRENAGGIO MONTANTI MULLION DRAINAGE	20

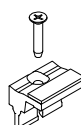
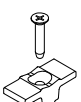
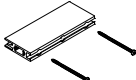
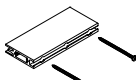
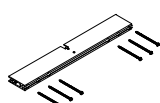
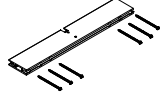
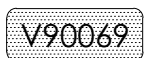


DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	CODICE CODE	L VITE L SCREWS	SERIE SL SG		DESCRIZIONE DESCRIPTION	U.V. U.S.
	 V70090	65 mm	●	●	VITI Ø4.8 PER FISSAGGIO PRESSORI (Impronta Phillips) PRESSURE-PLATE FIXING SCREWS Ø4.8 (Phillips head)	100
	V70188P ■ 704071	38 mm	●	●	VITI Ø4.8 PER FISSAGGIO PRESSORI (Impronta Torx)  Vite con impronta Phillips IN ESAURIMENTO Phillips head screw UNTIL STOCK IS FINISHED	100
	V70189P ■ 704072	41 mm	●	●		
	V70190P	44 mm	●	●		
	V70191P	47 mm	●	●		
	V70192P	50 mm	●	●		
	V70193P ■ 704076	53 mm	●	●		
	V70194P	56 mm	●	●		
	V70195P	60 mm	●	●		
	V70196P	67 mm	●	●		
	V70197P	70 mm	●	●		
	V70198P ■ V70087	73 mm	●	●		
					PRESSURE-PLATE FIXING SCREWS Ø4.8 (Torx head)	

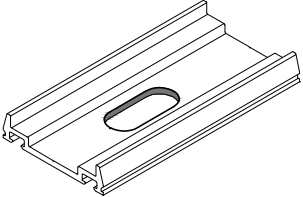
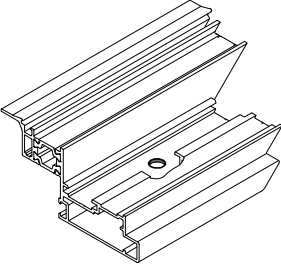
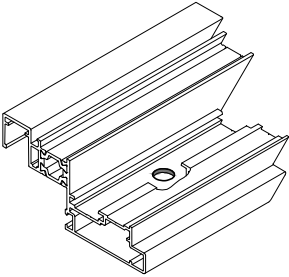
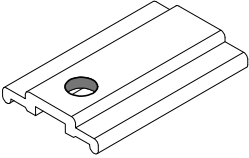
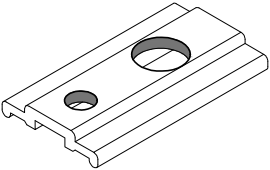
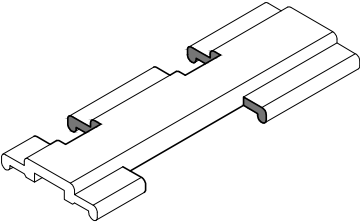
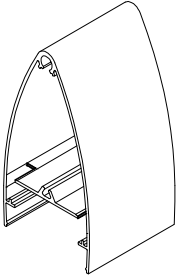
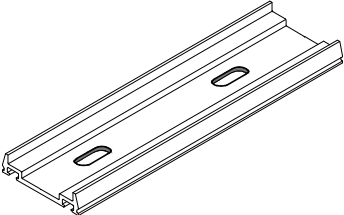
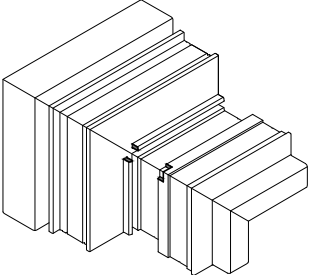


DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	CODICE	FINITURA	SERIE		DESCRIZIONE	U.V.
	CODE	FINISHING	SL	SG	DESCRIPTION	U.S.
	V72062	-		●	BLOCCHETTO DI RITEGNO SINGOLO PER VETRI PESANTI SG50S - SG50P <i>SINGLE RETAINING BLOCK FOR IGU</i>	50
	V72069	-		●	BLOCCHETTO DI RITEGNO DOPPIO PER VETRI PESANTI SG50S - SG50P <i>DOUBLE RETAINING BLOCK FOR IGU</i>	50
	V90019	GR	●	●	SUPPORTO VETRO PER TRAVERSI (VETRO DA 49÷54mm) (Vedi tavola 8.26) <i>TRANSOM GLASS SUPPORT (FOR GLASS 49÷54mm THICK)</i>	100
	V90026	GR	●	●	SUPPORTO VETRO PER TRAVERSI (VETRO DA 55÷60mm) (Vedi tavola 8.26) <i>TRANSOM GLASS SUPPORT (FOR GLASS 55÷60mm THICK)</i>	100
	V90027	GR	●		SUPPORTO PER VETRI PESANTI (Per portate vedi tavola 8.30) <i>HEAVY WEIGHT GLASS CONTINUOUS SUPPORT</i>	10
	V90028	GR	●		SUPPORTO PER VETRI PESANTI (Per portate vedi tavola 8.30) <i>HEAVY WEIGHT GLASS CONTINUOUS SUPPORT</i>	10
	V90029	GR	●		SUPPORTO PER VETRI PESANTI (Per portate vedi tavola 8.30) <i>HEAVY WEIGHT GLASS CONTINUOUS SUPPORT</i>	10
	V90030	GR	●		SUPPORTO PER VETRI PESANTI (Per portate vedi tavola 8.30) <i>HEAVY WEIGHT GLASS CONTINUOUS SUPPORT</i>	10
	 V90069	GR	●		SUPPORTO PER VETRI PESANTI <i>HEAVY WEIGHT GLASS CONTINUOUS SUPPORT</i>	100

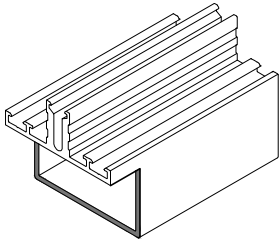
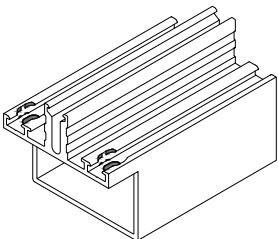
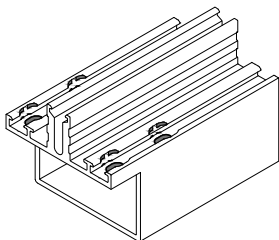
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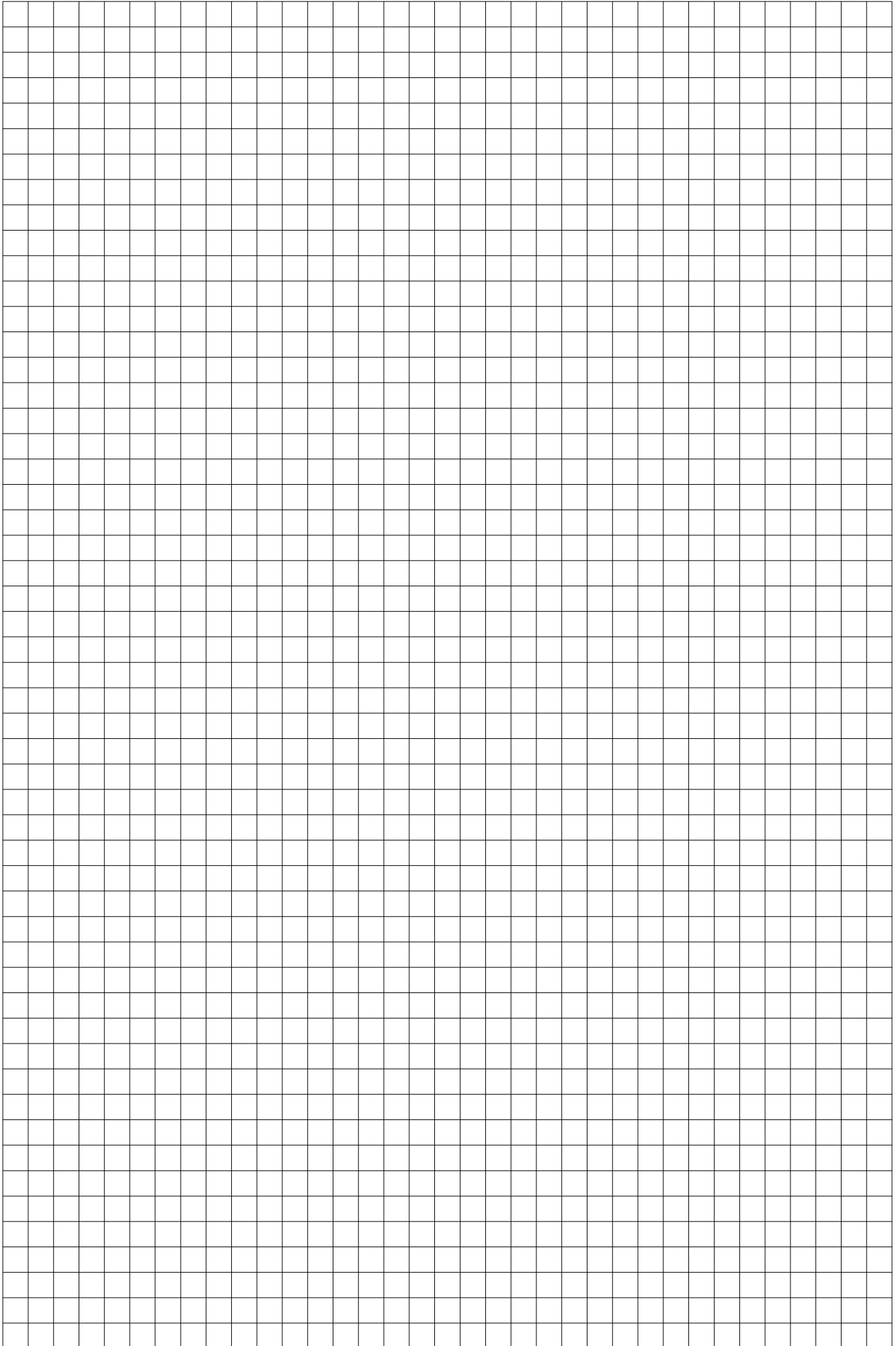
LAVORAZIONI ESEGUIBILI CON IL TRANCIANTE 909350

1	Lavorazione asola 30x13mm passante per drenaggio pressori	 K767 K777 K778 K779 K855	2	Lavorazione foro Ø8 battuta a 50mm per fissaggio squadretta a spinare	 K791 K792 K794 K796 B70501 U70500 U70601
3	Lavorazione foro Ø12.5 battuta a 37.2 per fissaggio squadretta a vite	 K791 K792 K794 K795 K796 B70501 U70500 U70601	4	Lavorazione foro Ø5.4 battuta a 7mm su asta di chiusura	 K621
5	Lavorazione foro Ø5.4 e Ø10 battuta a 7 e 26.5mm su asta di chiusura	 K621	6	Lavorazione scasso 28.2mm e scassi 8.2mm contrapposti su asta di chiusura	 K621
7	Lavorazione scassi 5x12mm su copertina ad ogiva	 K765	8	Lavorazione asola 7x5.6mm battuta 20mm e lav. a passo 250mm per fissaggio pressori	 K767 K777 K778 K779 K855
8b	Lavorazione spuntatura alette per passaggio asta	 K791 K792 K795 K796 U70500 U70600 U70601			

IL NUMERO DELLA LAVORAZIONE CORRISPONDE AL NUMERO DELLA PISTA DEL TRANCIANTE
 THE NUMBER OF MACHINING IS THE TRACK NUMBER OF BLANKING MACHINE

LAVORAZIONI ESEGUIBILI CON IL TRACIANTE 909351

1	Lavorazione traverso asportazione fianco battuta 14, 17 o 19.5mm (Fase 1)	2	Lavorazione 2 asole e lamatura battuta 7.8mm (Fase 2)
	 K740 K741 K742 K743 K744 K745 K746		 K740 K741 K742 K743 K744 K745 K746
2b	Lavorazione 4 asole e lamatura battuta 7.8mm e interasse 22.2mm (Fase 3)		
	 K740 K741 K742 K743 K744 K745 K746		
IL NUMERO DELLA LAVORAZIONE CORRISPONDE AL NUMERO DELLA PISTA DEL TRACIANTE THE NUMBER OF MACHINING IS THE TRACK NUMBER OF BLANKING MACHINE			

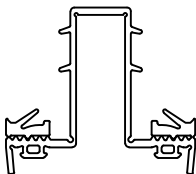
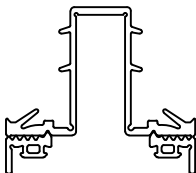


● ARTICOLO IN ESAURIMENTO - UNTIL STOCK IS FINISHED

	CODICE CODE	MATERIALE MATERIAL	SERIE SL SG		DESCRIZIONE DESCRIPTION	U. V. U. S.
	800008	PVC	●	●	BARRETTA ANTIFRIZIONE H=4.5 PER GIUNTI DI DILATAZIONE (In barre da 6 m) ANTIFRICTION BAR H=4.5 FOR DILATATION JOINT	pz 1
	800033	PVC	●	●	BARRETTA ANTIFRIZIONE H=5.6 PER GIUNTI DI DILATAZIONE (In barre da 5 m) ANTIFRICTION BAR H=5.6 FOR DILATATION JOINT	pz 1
	800967	EPDM	●	●	GUARNIZIONE BATTUTA SPORGERE LEDGE GASKET	ml 200
	● 800977	-	●		SPAZZOLINO H=5 PER K 736 BRUSH H=5 FOR K 736	ml 375
	809003	EPDM	●	●	GUARNIZIONE D'AGGANCIAMENTO PER PROFILI AGGIUNTIVI COUPLER GASKET FOR ADITIONAL SECTION	ml 100
	809119	EPDM	●		GUARNIZIONE INTERNA VETRO 2÷3mm NERO INTERIOR SIDE GLAZING GASKET 2÷3mm BLACK	ml 280
	809120	EPDM	●		GUARNIZIONE INTERNA VETRO 3÷4mm NERO INTERIOR SIDE GLAZING GASKET 3÷4mm BLACK	ml 200
	809121	EPDM	●		GUARNIZIONE INTERNA VETRO 4.5÷6mm NERO INTERIOR SIDE GLAZING GASKET 4.5÷6mm BLACK	120
	809122	EPDM	●		GUARNIZIONE INTERNA VETRO 6.5÷8mm NERO INTERIOR SIDE GLAZING GASKET 6.5÷8mm BLACK	ml 100

	CODICE CODE	MATERIALE MATERIAL	SERIE SL SG		DESCRIZIONE DESCRIPTION	U. V. U. S.
	809200	EPDM	●	●	GUARNIZIONE INTERNA PER MONTANTE - h 9mm INSIDE GLASS GASKET FOR MULLIONS - h 9mm	ml 100
	809201	EPDM	●	●	GUARNIZIONE INTERNA PER TRAVERSO - h 3mm INSIDE GLASS GASKET FOR TRANSOM - h 3mm	ml 100
	809202	EPDM	●	●	GUARNIZIONE INTERNA PER MONTANTE - h 11mm INSIDE GLASS GASKET FOR MULLIONS - h 11mm	ml 100
	809203	EPDM	●	●	GUARNIZIONE INTERNA PER TRAVERSO - h 5mm INSIDE GLASS GASKET FOR TRANSOM - h 5mm	ml 100
	809204	EPDM	●	●	GUARNIZIONE INTERNA PER MONTANTE - h 13mm INSIDE GLASS GASKET FOR MULLIONS - h 13mm	ml 100
	809205	EPDM	●	●	GUARNIZIONE INTERNA PER TRAVERSO - h 7mm INSIDE GLASS GASKET FOR TRANSOM - h 7mm	ml 100
	809206	EPDM	●		GUARNIZIONE PER PRESSORE GASKET FOR PRESSURE PLATE	ml 100
	809206K			●	GUARNIZIONE PER PRESSORE GASKET FOR PRESSURE PLATE Compatibile con silicone Silicone compatible	
	809207	EPDM	●	●	GUARNIZIONE TENUTA PRESSORE - DIST. 3÷5 PRESSURE PLATE - 3÷5 SPACER GASKET	ml 100
	809208	EPDM	●	●	GUARNIZIONE TENUTA PRESSORE - DIST. 5÷8 PRESSURE PLATE - 5÷8 SPACER GASKET	ml 50
	809209	EPDM	●		GUARNIZIONE PER PRESSORE FACCIATA PER ANGOLI VARIABILI 0÷7°30' GASKET FOR PRESSURE PLATE FOR 0÷7°30' VARIABLE ANGLE	ml 150

DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

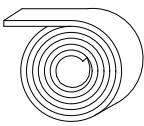
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	809210	EPDM		●	GUARNIZIONE INTERNA PER MONTANTE - h 9mm INSIDE GASKET FOR MULLIONS - h 9mm	ml 75
	809211	EPDM		●	GUARNIZIONE INTERNA PER TRAVERSO - h 3mm INSIDE GASKET FOR TRANSOM - h 3mm	ml 150
	809212	EPDM		●	GUARNIZIONE INTERNA PER MONTANTE - h 11mm INSIDE GASKET FOR MULLIONS - h 11mm	ml 60
	809213	EPDM		●	GUARNIZIONE INTERNA PER TRAVERSO - h 5mm INSIDE GASKET FOR TRANSOM - h 5mm	ml 100
	809214	EPDM		●	GUARNIZIONE INTERNA PER MONTANTE - h 13mm INSIDE GASKET FOR MULLIONS - h 13mm	ml 60
	809215	EPDM		●	GUARNIZIONE INTERNA PER TRAVERSO - h 7mm INSIDE GASKET FOR TRANSOM - h 7mm	ml 100
	809216	EPDM		●	GUARNIZIONE INTERNA PER MONTANTE - h 14mm INSIDE GASKET FOR MULLIONS - h 14mm	ml 100
	809217	EPDM		●	GUARNIZIONE INTERNA PER TRAVERSO - h 8mm INSIDE GASKET FOR TRANSOM - h 8mm	ml 150
	809221	EPDM	●		GUARNIZIONE PER K 739 MONTANTE CON Distanziale 15mm GASKET FOR K 739 MULLION WITH SPACER 15mm	ml 20
	809222	EPDM	●		GUARNIZIONE PER K 739 TRAVERSO CON Distanziale 15mm GASKET FOR K 739 TRANSOM WITH SPACER 15mm	ml 20

● ARTICOLO IN ESAURIMENTO - UNTIL STOCK IS FINISHED

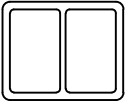
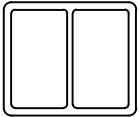
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	809403	EPDM	●		GUARNIZIONE ESTERNA PER PRESSORE K 844 TYPICAL OUTSIDE GLASS GASKET FOR K 844 PRESSURE PLATES	ml 100
	● 809407	EPDM	●		GUARNIZIONE PER CONNESSIONI INCLINATE MONTANTE - TRAVERSO GASKET FOR INCLINED MULLION - TRANSOM CONNECTION	ml 300
	809413	EPDM	●		DISTANZIATORE DA 5 mm PER PROFILO IN PVC 809420 5 mm SPACER FOR 809420 PVC SECTION	ml 150
	809414	EPDM	●		DISTANZIATORE DA 10 mm PER PROFILO IN PVC 809420 10 mm SPACER FOR 809420 PVC SECTION	ml 80
	● 809415	EPDM	●	●	GUARNIZIONE INTERNA VETRO h=11 mm PER MONTANTI CON ANGOLO NEGATIVO <12° INSIDE GLASS GASKET h=11 mm FOR MULLIONS WITH NEGATIVE ANGLE <12°	ml 150
	809420	PVC	●	●	DISTANZIATORE DA 15mm PER MONTANTI E TRAVERSI (In barre da 6 m) 15 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1
	809504	PVC	●	●	DISTANZIATORE DA 27 mm PER MONTANTI E TRAVERSI (In barre da 6 m) 27 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1
	809508	PVC	●	●	DISTANZIATORE DA 21 mm PER MONTANTI E TRAVERSI (In barre da 6 m) 21 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1

	CODICE CODE	MATERIALE MATERIAL	SERIE SL SG		DESCRIZIONE DESCRIPTION	U. V. U. S.
	809527	EPDM		●	GUARNIZIONE FONDO DI GIUNTO PER GRIGLIA DI FACCIA BACKER GASKET FOR MULLIONS AND TRANSOM	ml 100
	809530	PVC	●	●	DISTANZIATORE DA 11 mm PER MONTANTI E TRAVERSI (In barre da 6 m) 11 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1
	809569	EPDM		●	GUARNIZIONE COPRIFUGA SENZA SIGILLATURA FINISHING GASKET WITHOUT WEATHERSEALING	ml 100
	809578	EPDM	●		GUARNIZIONE FONDO GIUNTO PER K796 K796 SPACER GASKET	ml 100
	809599	EPDM	●	●	GUARNIZIONE BATTUTA ESTERNA SPORGERE EXTERNAL LEDGE GASKET FOR TOP HUNG WINDOW	ml 100
	809603	PVC FLESS.	●	●	GUARNIZIONE COPRICAVA PER SPORGERE CAVITY CORNER GASKET	ml 150
	809605	EPDM	●		GUARNIZIONE MONTANTE SDOPPIATO K 736 + K 737 COUPLED MULLION GASKET K 736 + K 737	ml 150
	809612	EPDM	●		GUARNIZIONE ADESIVIZZATA PER PRESSORE K 766 ADHESIVE GASKET FOR K 766 PRESSURE PLATE	ml 400
	809615	EPDM		●	GUARNIZIONE STIPITE INFISSO A SPORGERE FRAME GASKET FOR PROJECTING WINDOW compatibile con silicone silicone compatible	ml 75
	809616	EPDM	●	●	GUARNIZIONE STIPITE INFISSO A SPORGERE CON COPERTINA H=11.5mm FRAME GASKET FOR PROJECTING WINDOW WITH HORIZONTAL PRESSURE PLATE H=11.5mm compatibile con silicone silicone compatible	ml 50

DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

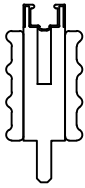
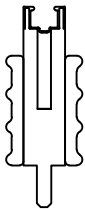
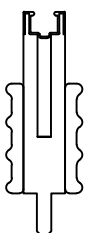
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	809617	EPDM	●	●	GUARNIZIONE ADESIVIZZATA 15x2 <i>ADHESIVE GASKET 15x2</i>	ml 150
	809618	POLIETILENE ESPANSO	●		LISTELLO ISOLANTE PER SOLUZIONE ITR (In barre da 2 m) <i>ITR INSULATING LISTEL</i>	pz 1
	809636	EPDM	●	●	GUARNIZIONE STIPITE INFISSO A SPORGERE CON COPERTINA H=16 mm <i>FRAME GASKET FOR PROJECTING WINDOW WITH HORIZONTAL PRESSURE PLATE H=16 mm</i> compatibile con silicone <i>silicone compatible</i>	ml 100
	809681	EPDM		●	GUARNIZIONE COPRIFUGA PER FACCIATA SG50P SENZA SIGILLATURA <i>FINISHING GASKET WITHOUT SEALING SG50P</i>	ml 36
	809688	POLIETILENE	●		GUARNIZIONE CENTRALE <i>CENTRAL GASKET</i>	ml 20
	809901	40 x 0.6	●		NASTRO BUTILICO CON FILM IN ALLUMINIO <i>SEALANT BUTYLIC BAND WITH ALUMINIUM FILM</i>	ml 10
	809902	45 x 0.6	●			
	809903	60 x 0.6	●			
	809904	75 x 0.6	●			
	809905	85 x 0.6	●			
	809906	100 x 0.6	●			
	809907	50 x 0.6	●			
	809908	35 x 0.6	●	●		

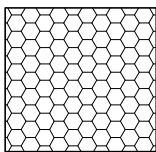
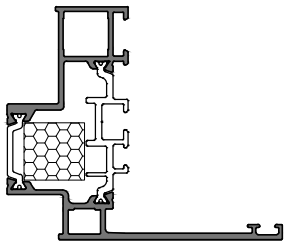
DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	CODICE CODE	MATERIALE MATERIAL	SERIE SL SG		DESCRIZIONE DESCRIPTION	U. V. U. S.
	809990	PVC RIGIDO	●	●	DISTANZIATORE 26x32 L=6000 SPACER 26x32 L=6000	pz 1
	809991	PVC RIGIDO	●	●	DISTANZIATORE 30x35 L=6000 SPACER 30x35 L=6000	pz 1
	809992	-	●	●	FONDO DI GIUNTO 9x6.5 PER INCOLLAGGIO STRUTTURALE STRUCTURAL GLAZING SPACER GASKET 9x6.5	ml 15,3
	809993			●	FONDO DI GIUNTO 15x6.5 PER INCOLLAGGIO STRUTTURALE STRUCTURAL GLAZING SPACER GASKET 15x6.5	ml 15
	890046	EPDM	●		GUARNIZIONE ADESIVIZZATA PER PRESSORE K 766 ADHESIVE GASKET FOR K 766 PRESSURE PLATE	ml 200
	890102	EPDM		●	GUARNIZIONE FONDO DI GIUNTO RIBASSATA PER SOLUZIONI ANGOLATE BACKER GASKET FOR MULLIONS AND TRANSOM ON ANGULAR SECTION	ml 100
	890109	PVC		●	DISTANZIATORE DA 9 mm PER MONTANTI E TRAVERSI (In barre da 6 m) 9 mm SPACER FOR MULLIONS AND TRANSOMS	ml -



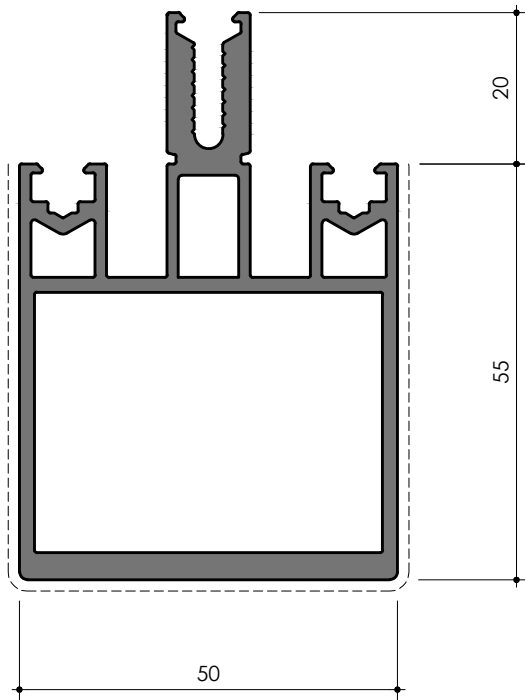
SOLUZIONE FORNIBILE SU PROGETTO - VERIFICARE LE MODALITA' DI APPROVVIGIONAMENTO
SOLUTION CAN BE PROVIDED ON A PROJECT BASIS - VERIFY THE MODE OF PROCUREMENT

	CODICE <i>CODE</i>	MATERIALE <i>MATERIAL</i>	SERIE <i>SL SG</i>		DESCRIZIONE <i>DESCRIPTION</i>	U. V. <i>U. S.</i>
	V20021	XPET	●		DISTANZIATORE DA 36 mm PER MONTANTI E TRAVERSI (In barre da 3 m circa) 36 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1
	V20022	XPET	●		DISTANZIATORE DA 42 mm PER MONTANTI E TRAVERSI (In barre da 3 m circa) 42 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1
	V20023	XPET	●		DISTANZIATORE DA 48 mm PER MONTANTI E TRAVERSI (In barre da 3 m circa) 48 mm SPACER FOR MULLIONS AND TRANSOMS	pz 1

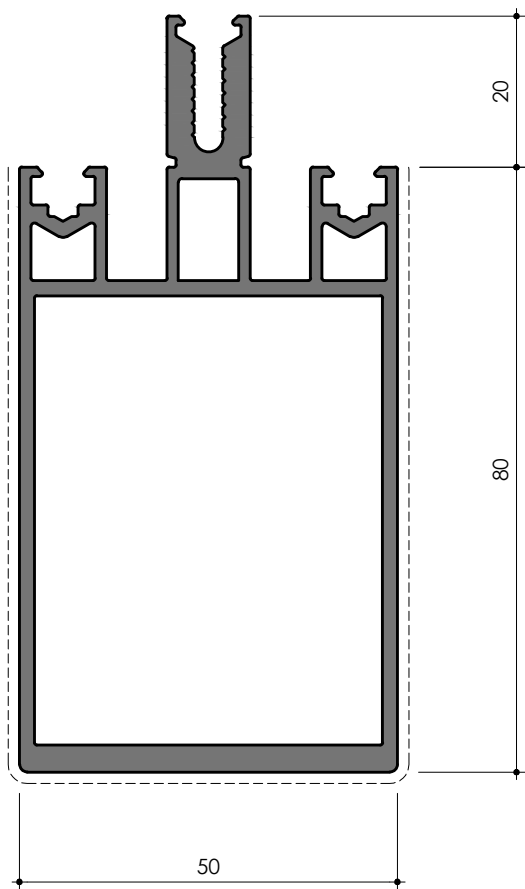
SAGOMA LISTELLI AL VERO <i>STRIPES SECTION REAL SCALE</i>	CODICE <i>CODE</i>	SERIE <i>SL SG</i>		APPLICAZIONE <i>APPLICATION</i>	U. V. <i>U. S.</i>
 LISTELLO ISOLANTE 19x20 <i>19x20 INSULATING STRIP</i>	808082C	●		U48060 	Pz 25

I LISTELLI VENGONO FORNITI IN BARRE DA 1 METRO - *STRIPES ARE 1 METER LENGTH*

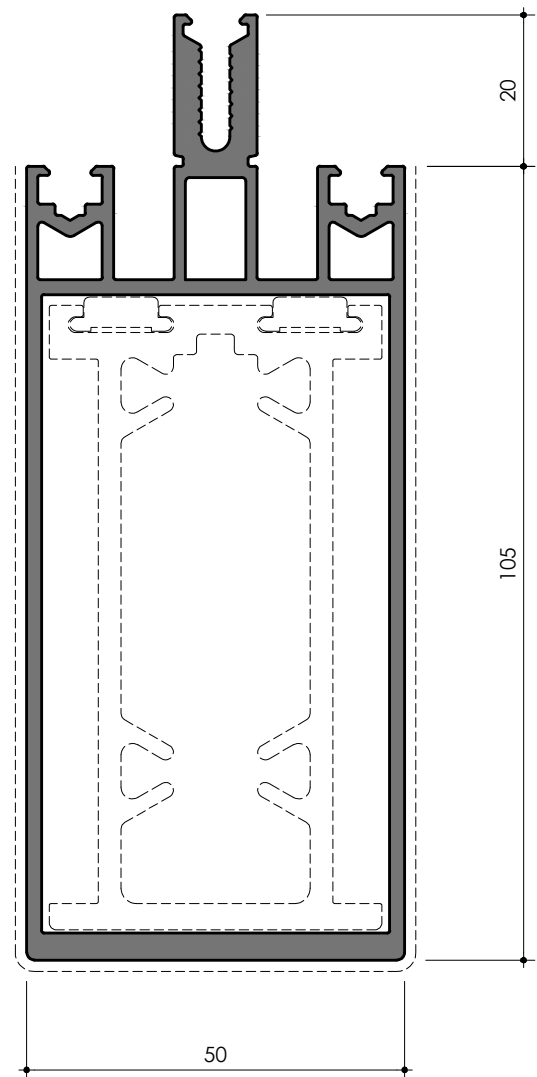
SL	SG
●	●

**K 730**

kg/m 2.12

Ox Sup. 160 mm
Perim. t 385 mm**K 731**

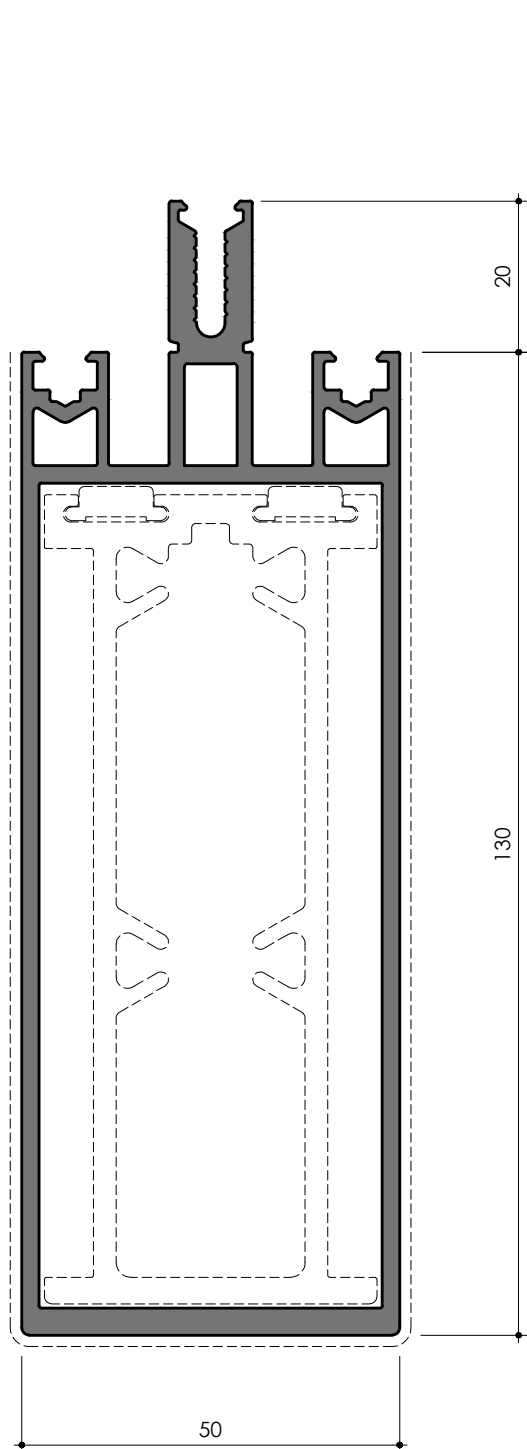
kg/m 2.40

Ox Sup. 209 mm
Perim. t 435 mm**K 732**

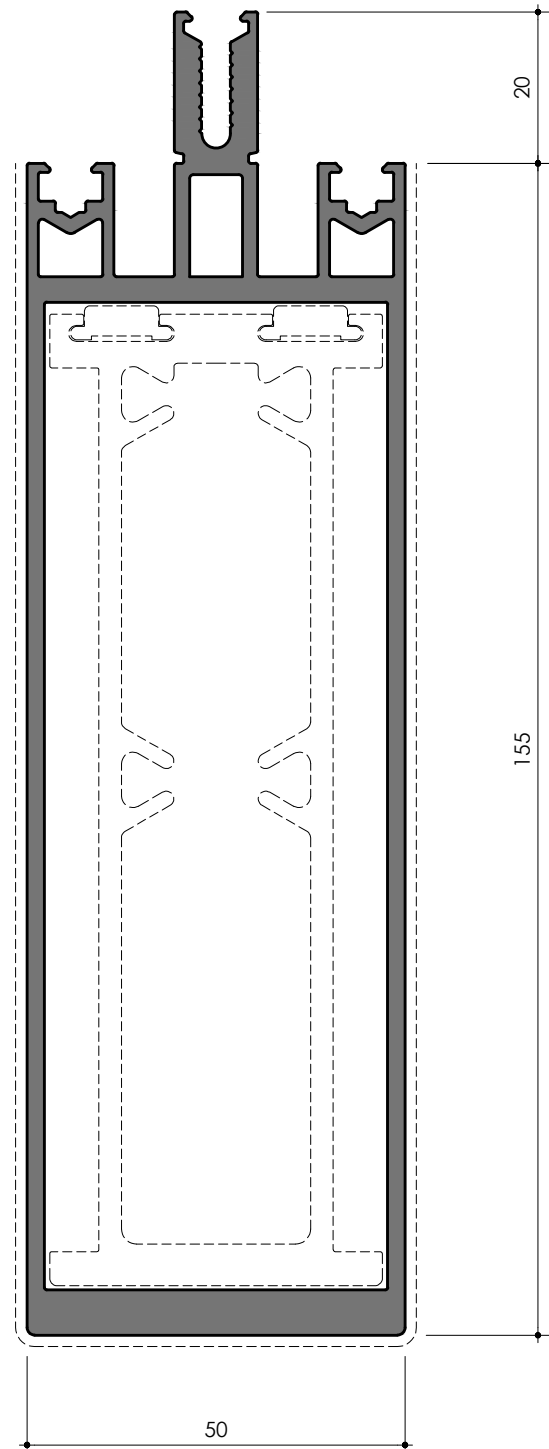
kg/m 2.68

Ox Sup. 260 mm
Perim. t 485 mm

SL	SG
●	●

**K 733**

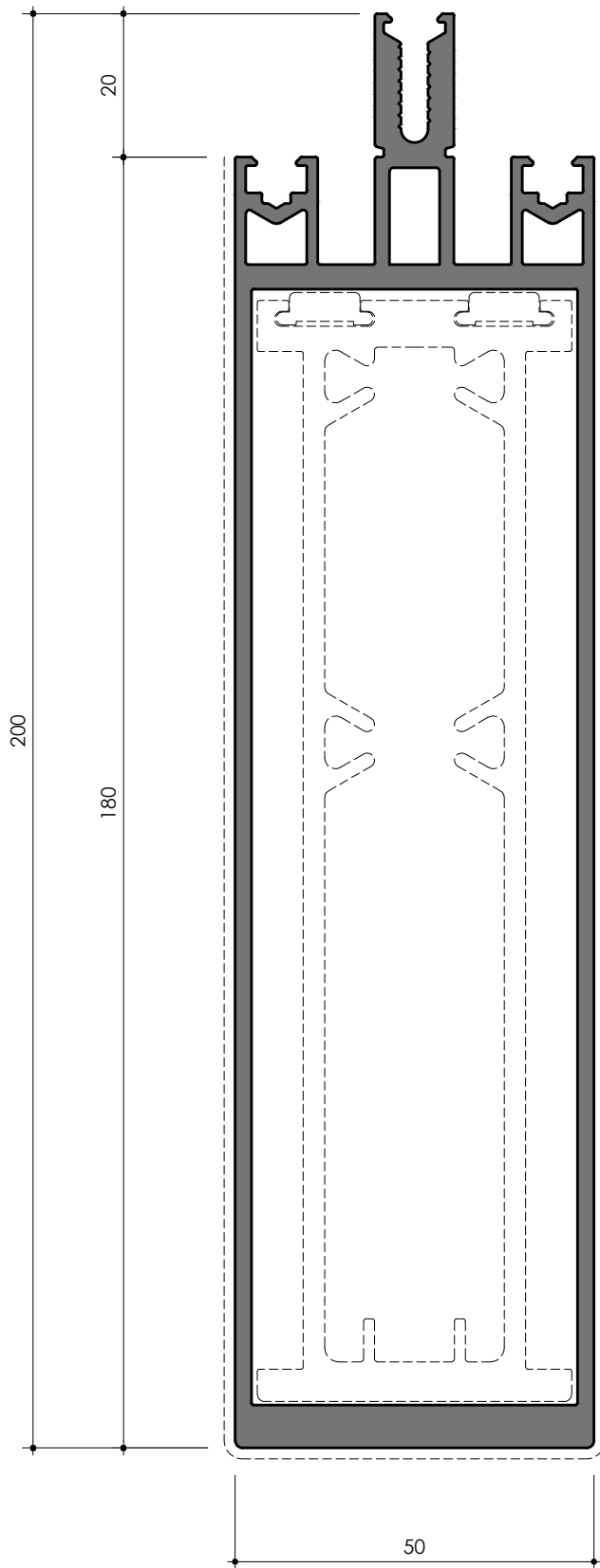
kg/m 3.23

Ox Sup. 309 mm
Perim. † 535 mm**K 734**

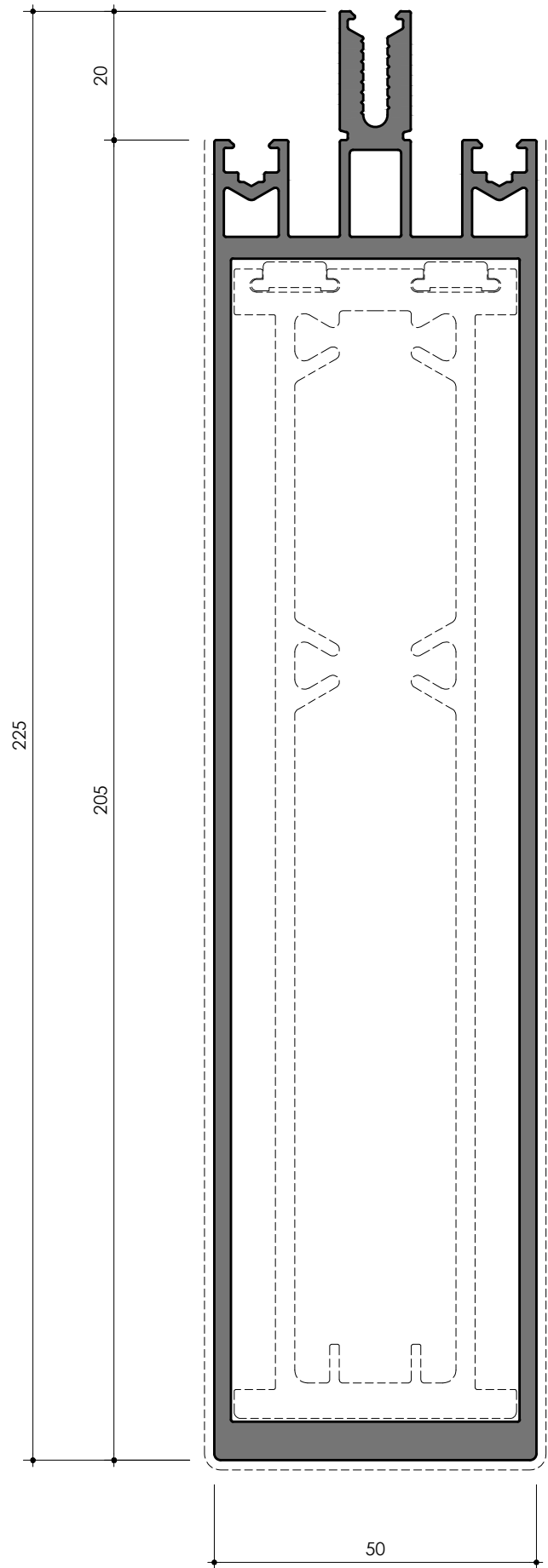
kg/m 3.97

Ox Sup. 359 mm
Perim. † 585 mm

SL	SG
●	●

**K 760**

kg/m 4.30

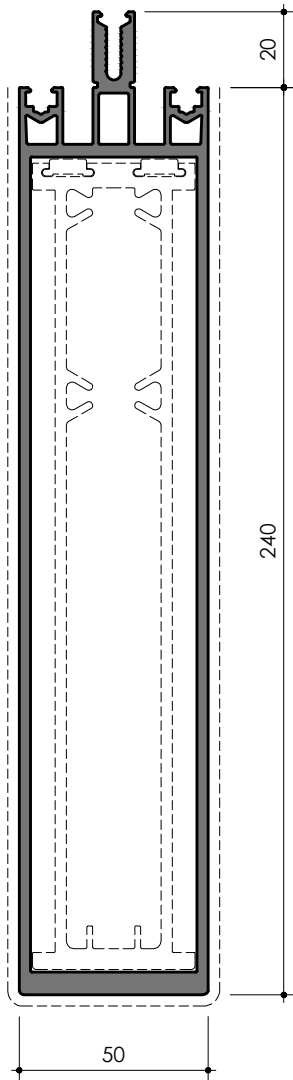
Ox Sup. 409 mm
Perim. $\uparrow$ 635 mm**K 735**

kg/m 4.93

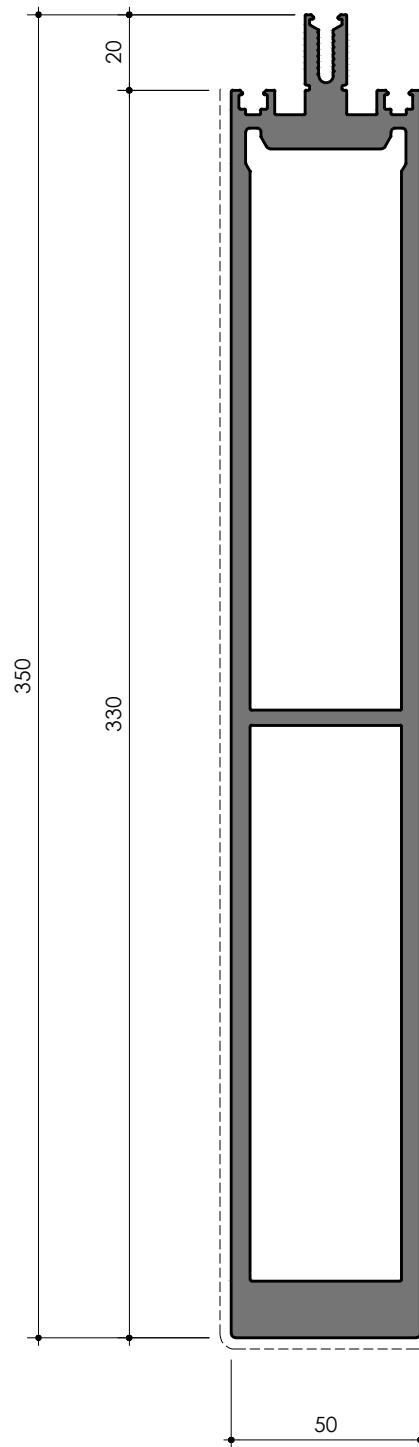
Ox Sup. 459 mm
Perim. $\uparrow$ 685 mm

SL	SG
●	●

SCALA 1:2

**K 769**

kg/m 5.95

Ox Sup.
Perim. f529 mm
754 mm**K 762**

kg/m 12.95

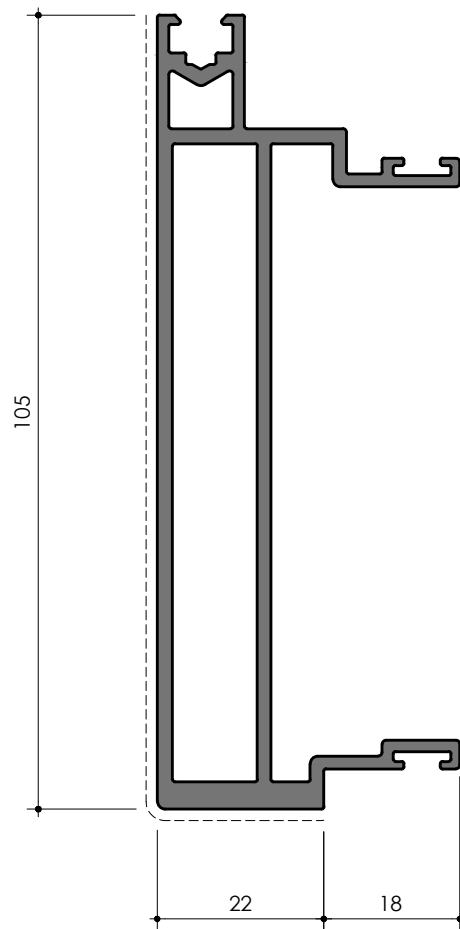
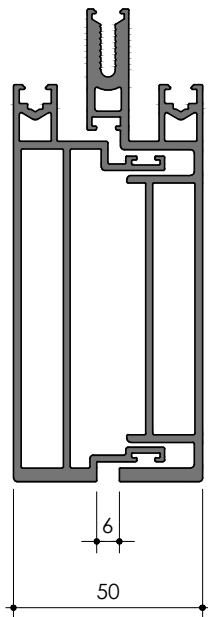
Ox Sup.
Perim. f709 mm
896 mm**A RICHIESTA**

ORDINE MINIMO: 3000Kg

AVAILABLE ON REQUEST

MINIMUM ORDER OF 3000Kg

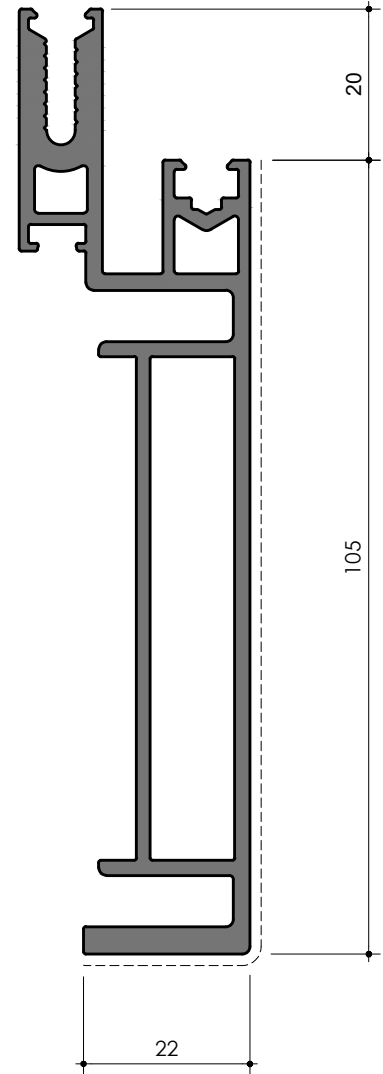
SL	SG
●	●

**K 736**

kg/m 1.71

Ox Sup.
Perim. †127 mm
398 mm

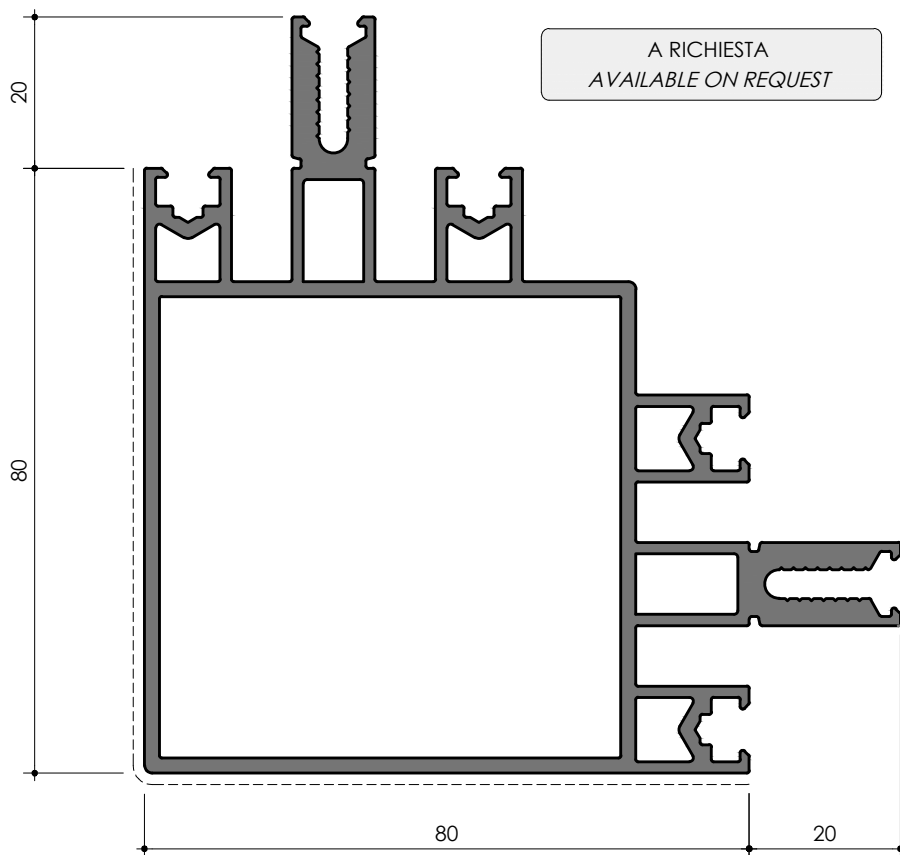
A RICHIESTA
AVAILABLE ON REQUEST

**K 737**

kg/m 2.18

Ox Sup.
Perim. †127 mm
488 mm

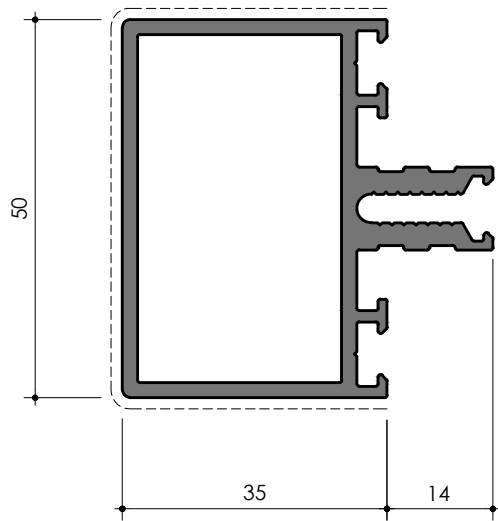
A RICHIESTA
AVAILABLE ON REQUEST

**K 738**

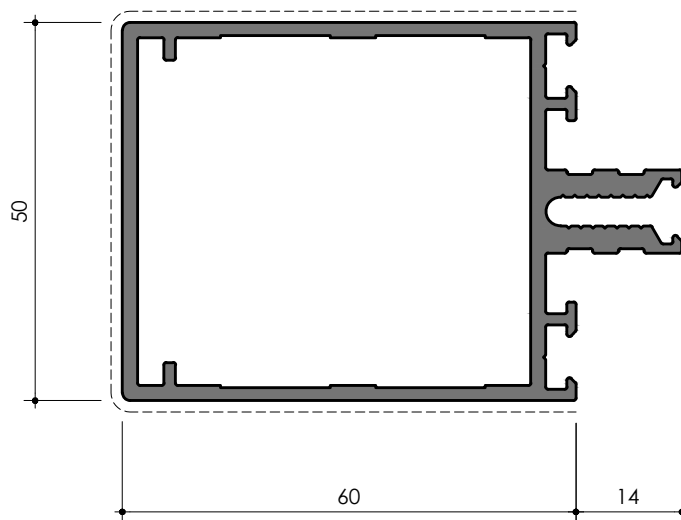
kg/m 3.29

Ox Sup.
Perim. †160 mm
670 mm

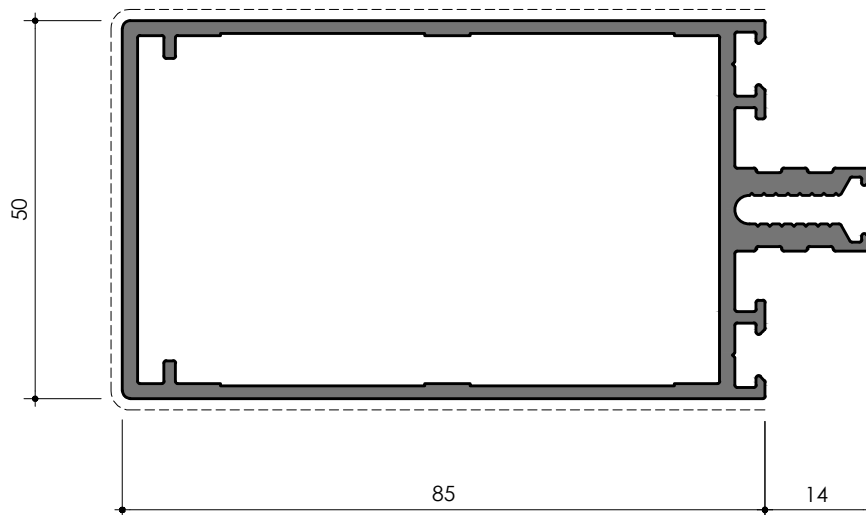
SL	SG
●	●

**K 740**

kg/m 1.27

Ox Sup. 120 mm
Perim. † 284 mm**K 741**

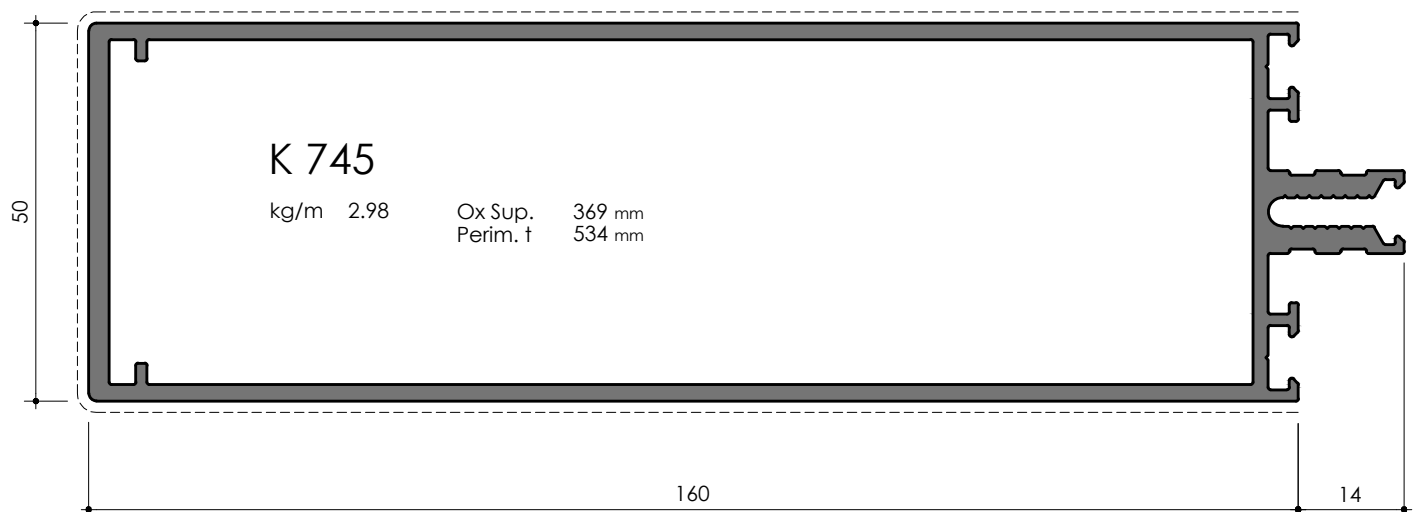
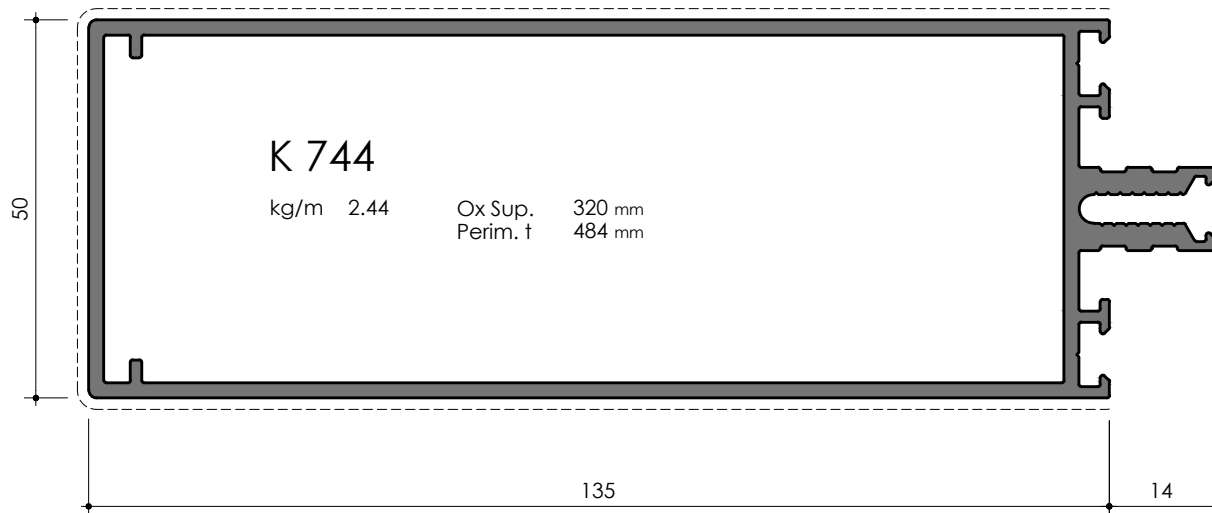
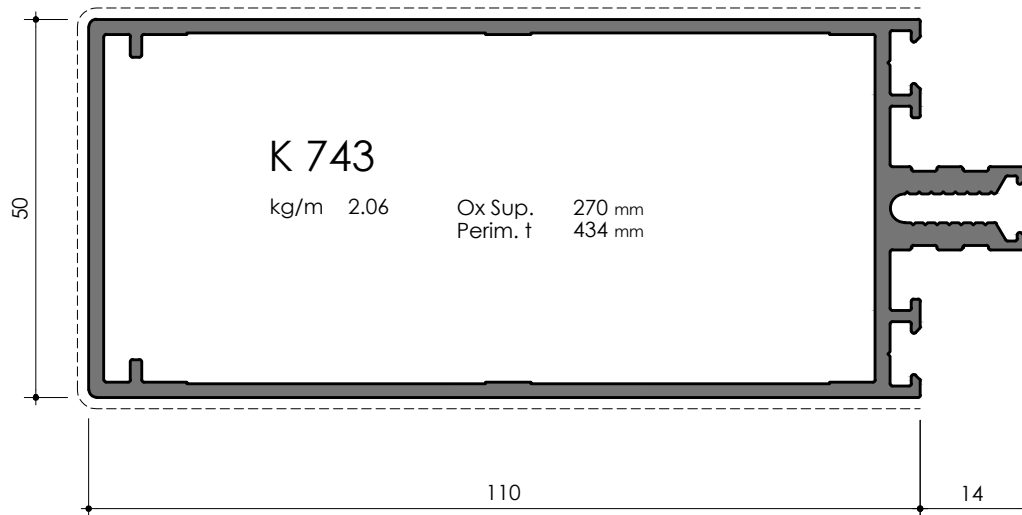
kg/m 1.54

Ox Sup. 170 mm
Perim. † 334 mm**K 742**

kg/m 1.78

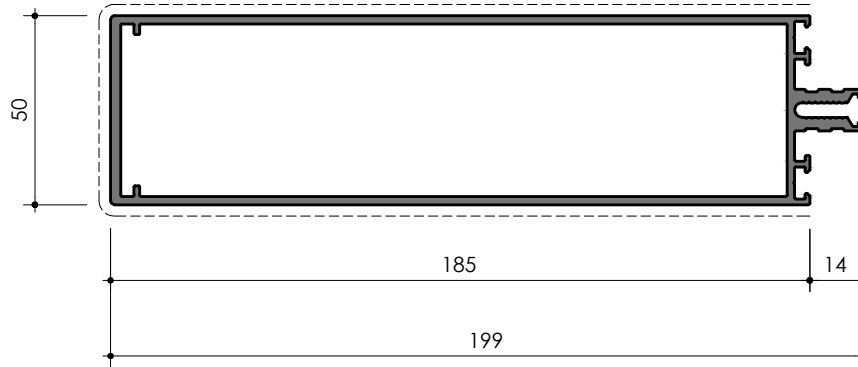
Ox Sup. 220 mm
Perim. † 384 mm

SL	SG
●	●

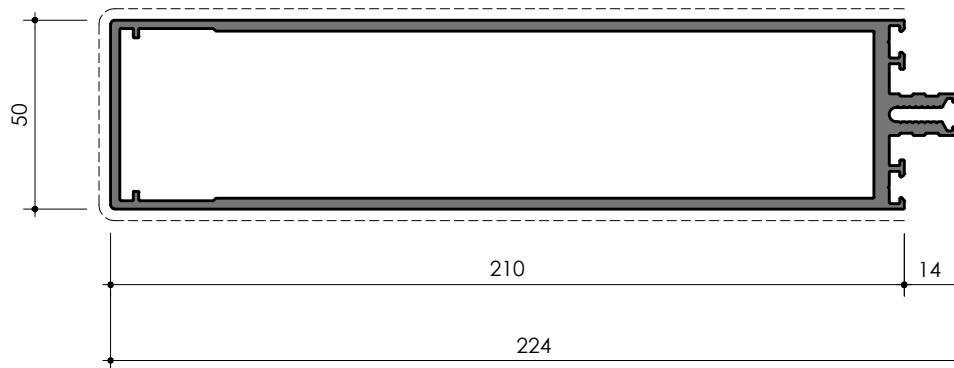


SL	SG
●	●

SCALA 1:2

**K 746**

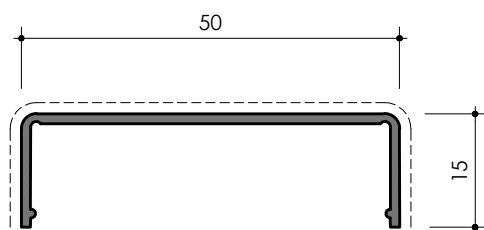
kg/m 3.29

Ox Sup. 419 mm
Perim. t 584 mm**K 747**

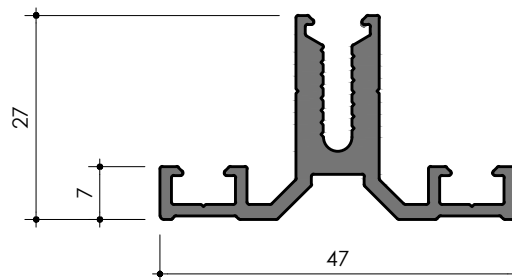
kg/m 4.55

Ox Sup. 469 mm
Perim. t 634 mm

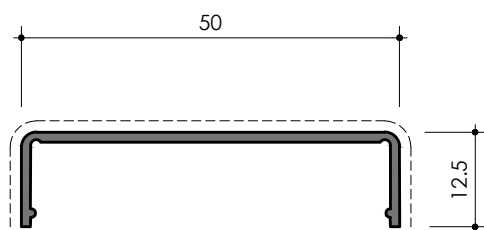
SL	SG
●	●

**K 851**

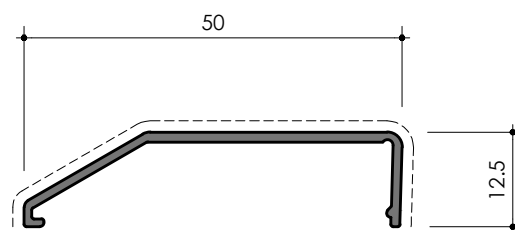
kg/m 0.27

Ox Sup.
Perim. †80 mm
157 mm**K 739**

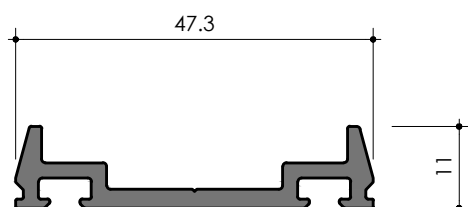
kg/m 0.75

Ox Sup.
Perim. †- mm
238 mm**K 852**

kg/m 0.26

Ox Sup.
Perim. †73 mm
147 mm**K 768**

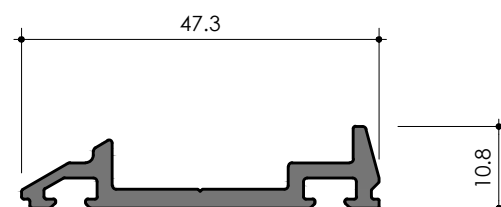
kg/m 0.23

Ox Sup.
Perim. †67 mm
136 mm**K 855**

kg/m 0.48

Ox Sup.
Perim. †- mm
155 mm

PROFILO ORDINABILE ANCHE
FORATO A PASSO CON COD. K 855F

**K 767**

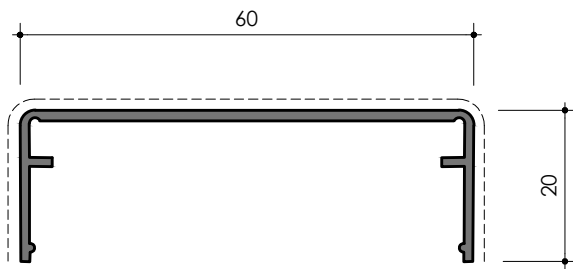
kg/m 0.45

Ox Sup.
Perim. †- mm
147 mm

PROFILO ORDINABILE ANCHE
FORATO A PASSO CON COD. K 767F

SL	SG
●	●

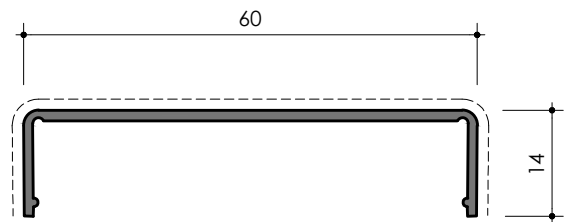
PROFILI SL60 UTILIZZABILI SU SL50
SL60 SECTIONS USABLE ON SL50 SYSTEM



K 831

kg/m 0.38 Ox Sup. 100 mm
Perim. † 209 mm

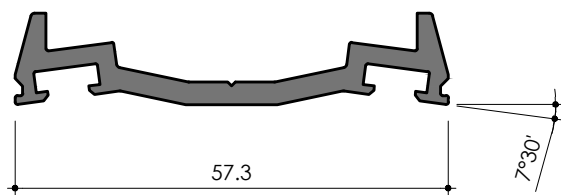
A RICHIESTA
AVAILABLE ON REQUEST



K 832

kg/m 0.32 Ox Sup. 88 mm
Perim. † 173 mm

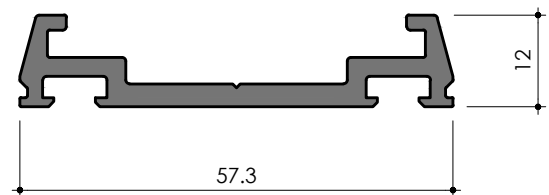
A RICHIESTA
AVAILABLE ON REQUEST



K 836

kg/m 0.65 Ox Sup. - mm
Perim. † 180 mm

A RICHIESTA
AVAILABLE ON REQUEST



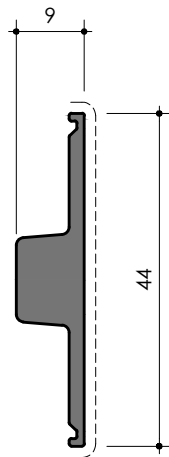
K 830

kg/m 0.68 Ox Sup. - mm
Perim. † 189 mm

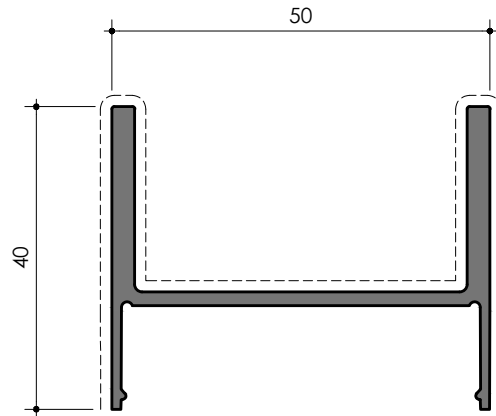
A RICHIESTA
AVAILABLE ON REQUEST

PROFILO ORDINABILE ANCHE
FORATO A PASSO CON COD. K 830F

SL	SG
●	●

**K 766**

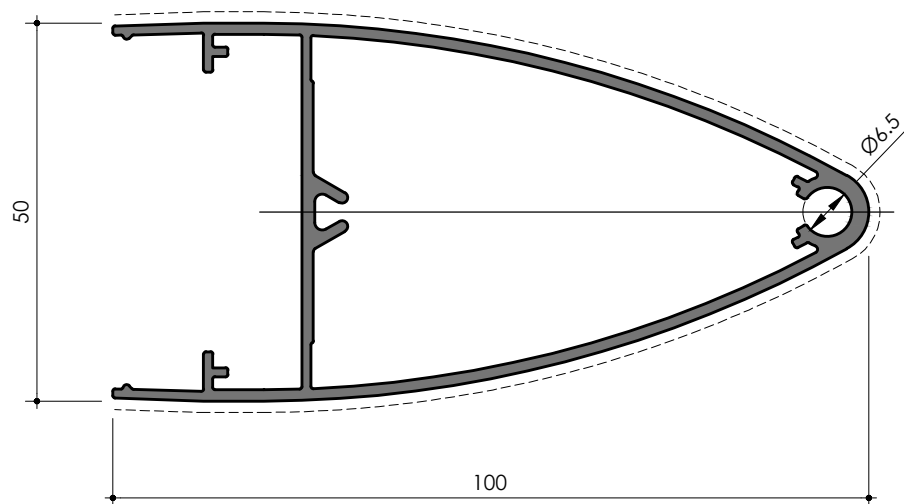
kg/m 0.47

Ox Sup. 48 mm
Perim. $\uparrow$ 105 mm**N70304**

kg/m 0.77

Ox Sup. 178 mm
Perim. $\uparrow$ 257 mm

A RICHIESTA
ADATTO ALLA SOLA VERNICIATURA
AVAILABLE ON REQUEST
ONLY PAINTED AVAILABLE

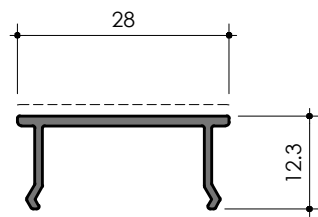
**K 765**

kg/m 1.24

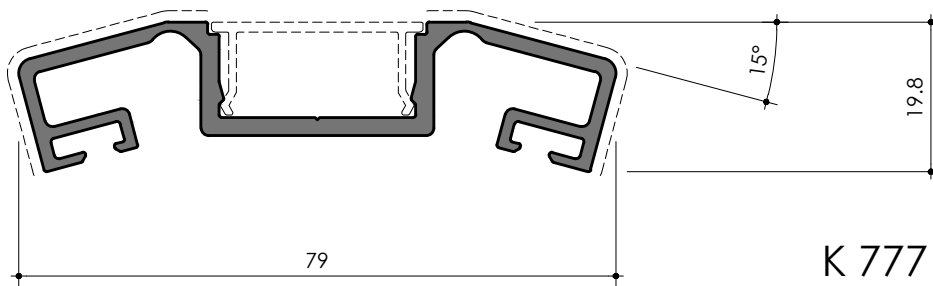
Ox Sup. 213 mm
Perim. $\uparrow$ 339 mm

A RICHIESTA
AVAILABLE ON REQUEST

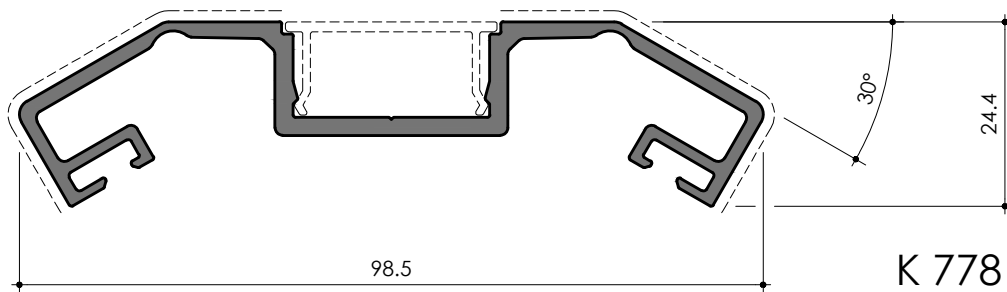
SL	SG
●	●

**K 780**

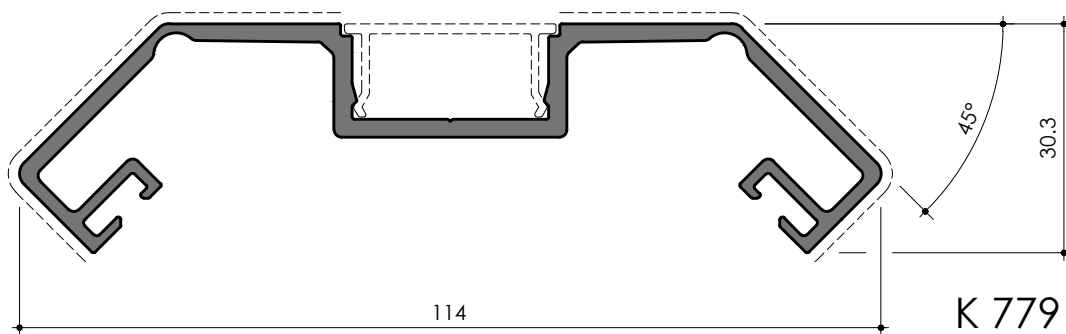
kg/m 0.17

Ox Sup.
Perim. t28 mm
103 mm**K 777**

kg/m 0.94

Ox Sup.
Perim. t82 mm
340 mm**K 778**

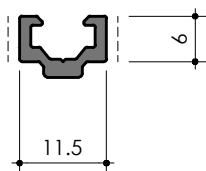
kg/m 1.08

Ox Sup.
Perim. t104 mm
388 mm**K 779**

kg/m 1.27

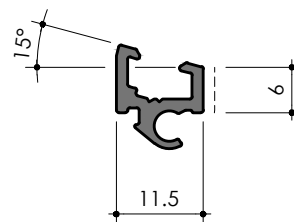
Ox Sup.
Perim. t138 mm
439 mm

SL	SG
●	●



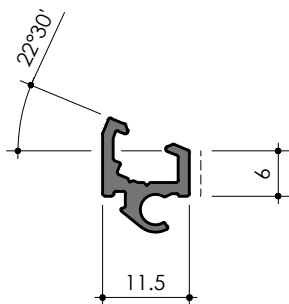
K 894 (*)

kg/m 0.12

Ox Sup.
Perim. †12 mm
52 mm

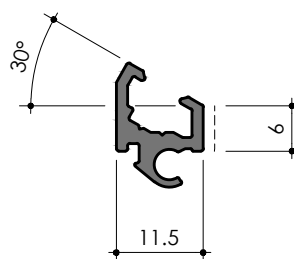
K 781 (*)

kg/m 0.15

Ox Sup.
Perim. †6 mm
69 mm

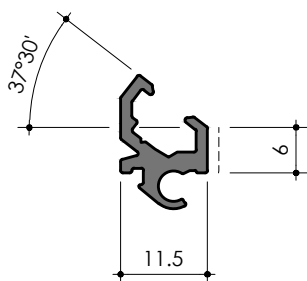
K 782 (*)

kg/m 0.16

Ox Sup.
Perim. †6 mm
72 mm

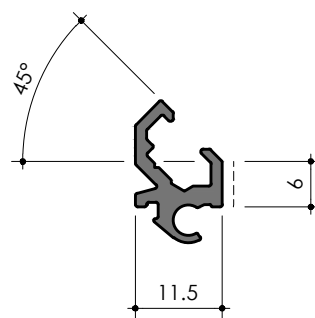
K 783 (*)

kg/m 0.18

Ox Sup.
Perim. †6 mm
75 mm

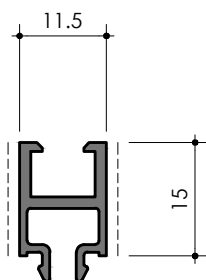
K 784 (*)

kg/m 0.19

Ox Sup.
Perim. †6 mm
79 mm

K 785 (*)

kg/m 0.20

Ox Sup.
Perim. †6 mm
82 mm

K 828 (*)

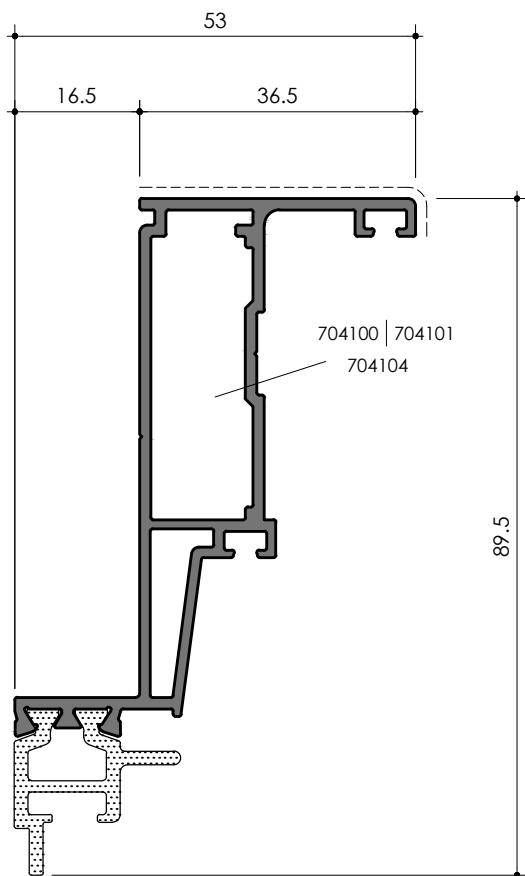
kg/m 0.19

Ox Sup.
Perim. †30 mm
110 mm

*

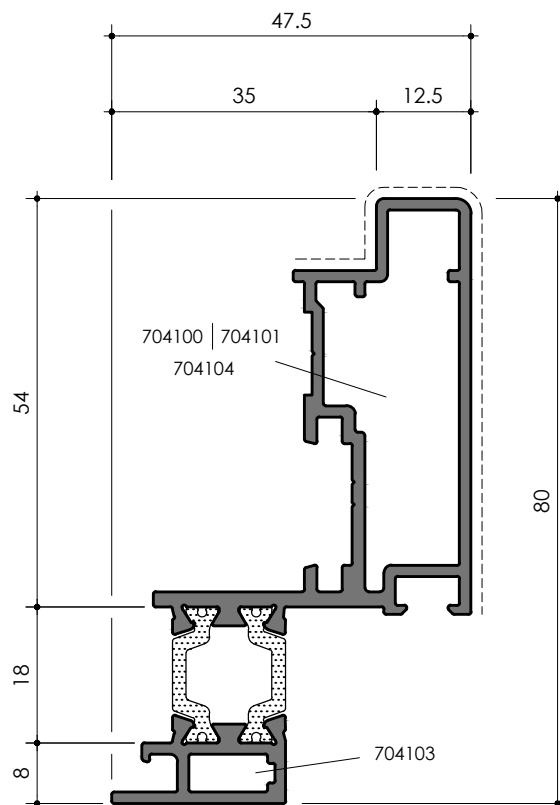
PROFILO FORNIBILE SOLO ANODIZZATO NERO
BLACK ANODIZED ONLY AVAILABLE SECTION

SL	SG
●	●



K 794

kg/m 1.16

Ox Sup. 41 mm
Perim. † 359 mm

K 791

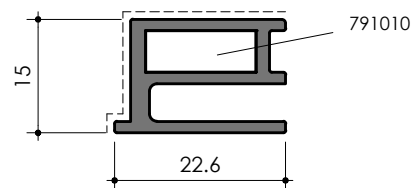
kg/m 1.38

Ox Sup. 87 mm
Perim. † 314 mm

La parte esterna del profilo K 791 e K 934 viene fornita esclusivamente con trattamento superficiale adatto alla sigillatura strutturale.
Approvato da DOW CORNING E SIKA.

The outer surface of K 791 and K 934 section is supplied exclusively with surface treatment suitable for structural sealing.
Approved by DOW CORNING AND SIKA.

SL	SG
	●

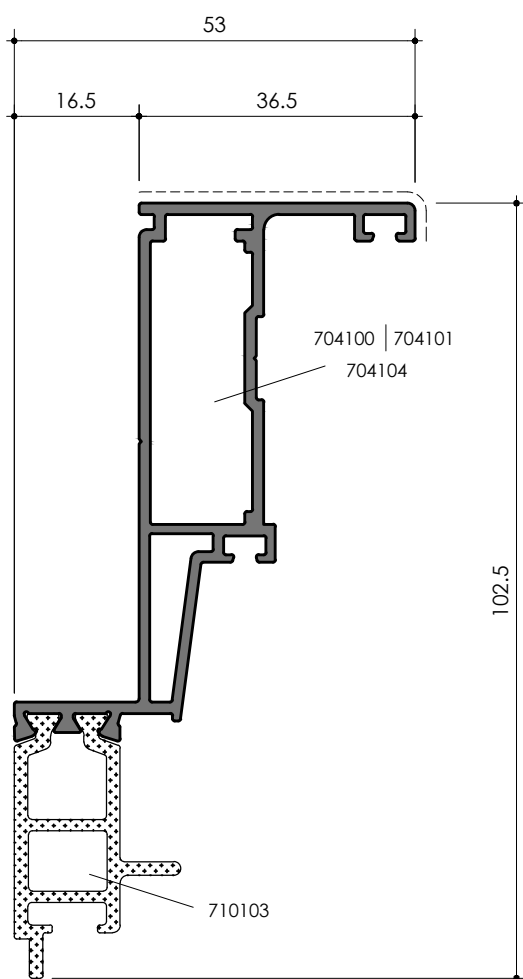


K 934

kg/m 0.35

Ox Sup. 40 mm
Perim. † 113 mm

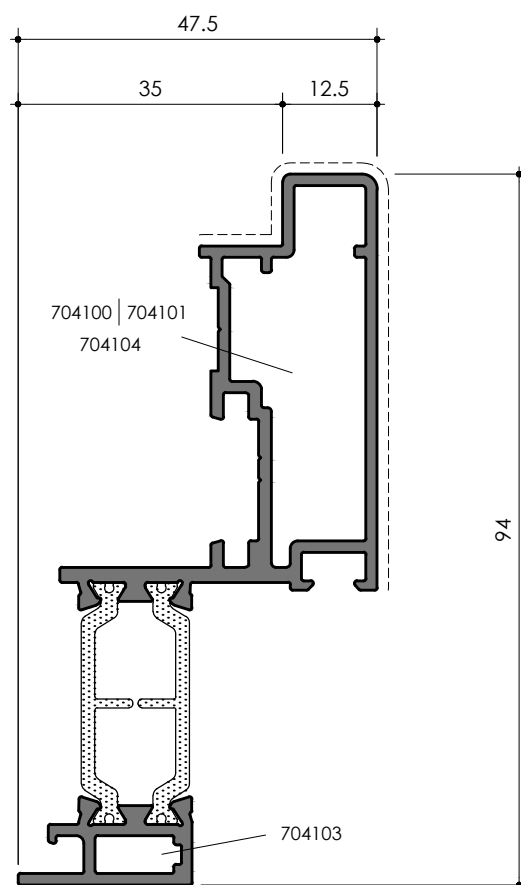
SL	SG
●	●



B70501

kg/m 1.20

Ox Sup. 41 mm
Perim. t 374 mm



U70500

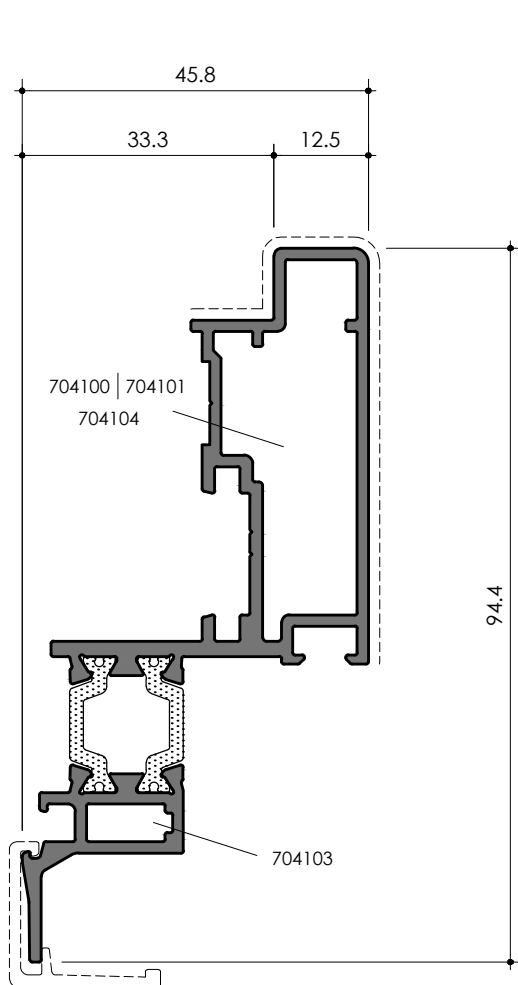
kg/m 1.46

Ox Sup. 87 mm
Perim. t 341 mm

ATTENZIONE! Verniciare o anodizzare il profilo prima
dell'inserimento della barretta isolante

WARNING! Paint or anodize the profile before
inserting the insulating bar

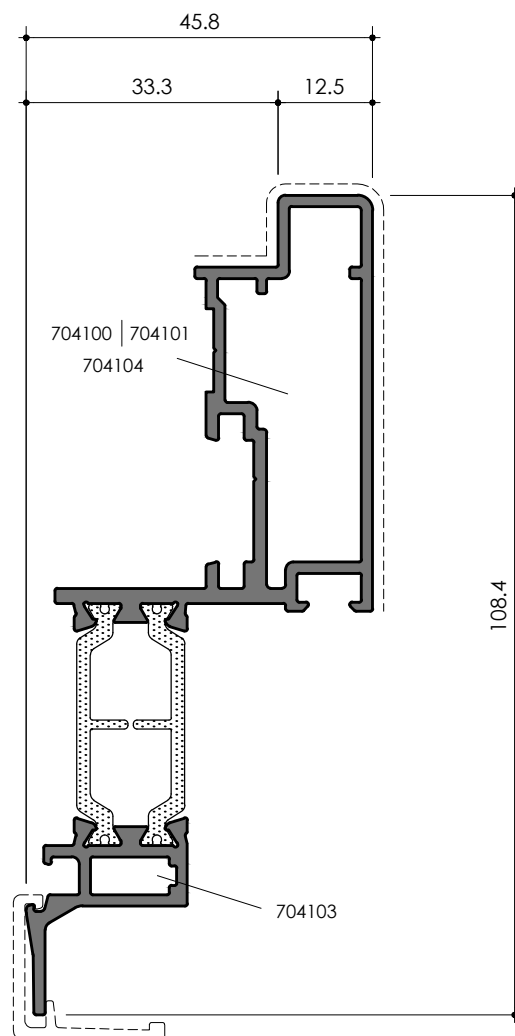
SL	SG
●	●



K 792

kg/m 1.45

Ox Sup. 87 mm
Perim. t 337 mm

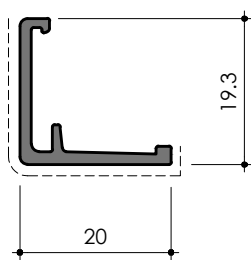


U70601

kg/m 1.52

Ox Sup. 87 mm
Perim. t 367 mm

Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not recommended

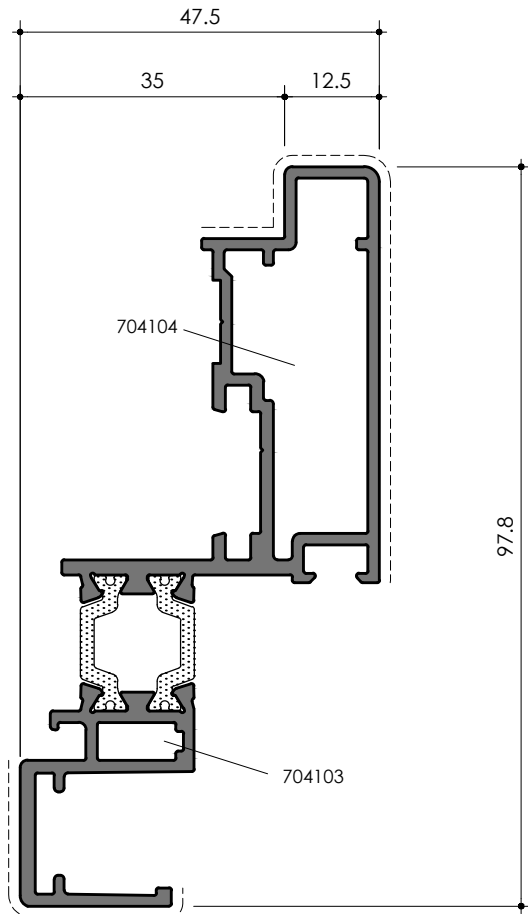


K 793

kg/m 0.19

Ox Sup. 42 mm
Perim. t 90 mm

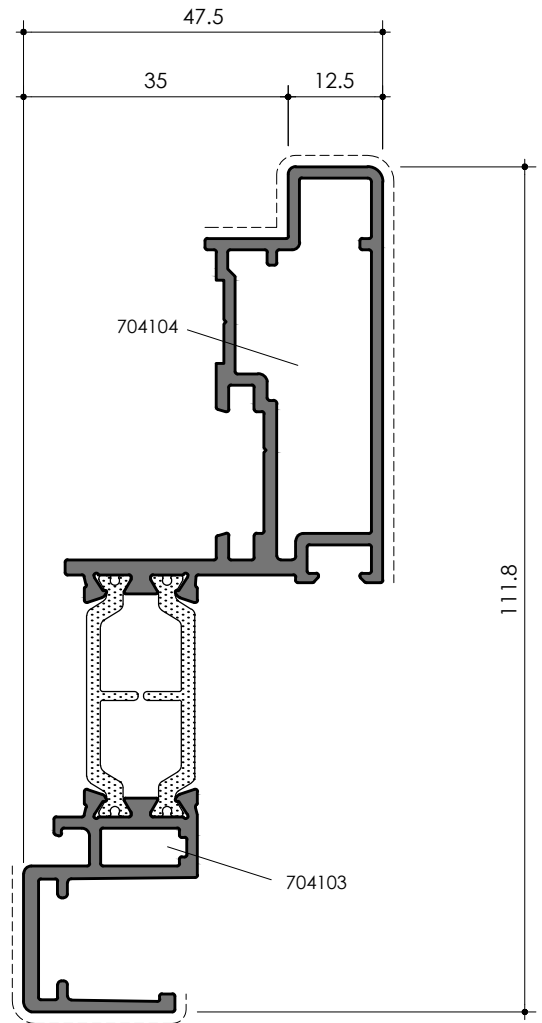
SL	SG
●	●



K 795

kg/m 1.59

Ox Sup. 129 mm
Perim. t 394 mm

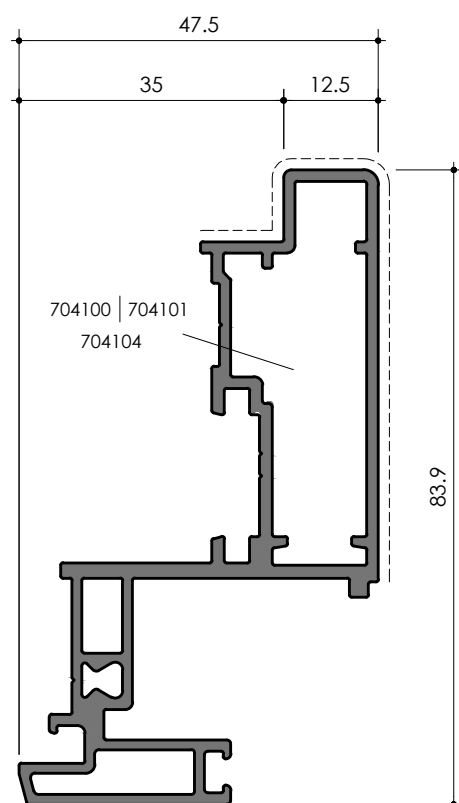


U70600

kg/m 1.66

Ox Sup. 129 mm
Perim. t 424 mm

Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not recommended



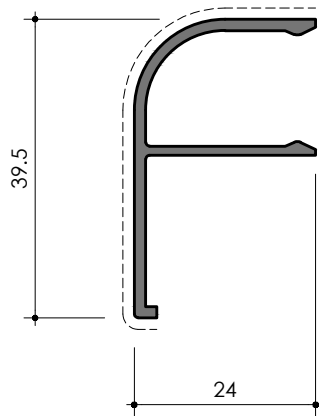
K 796

kg/m 1.39

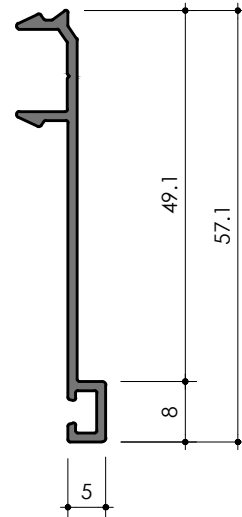
Ox Sup. 86 mm
Perim. t 349 mm

A RICHIESTA
AVAILABLE ON REQUEST

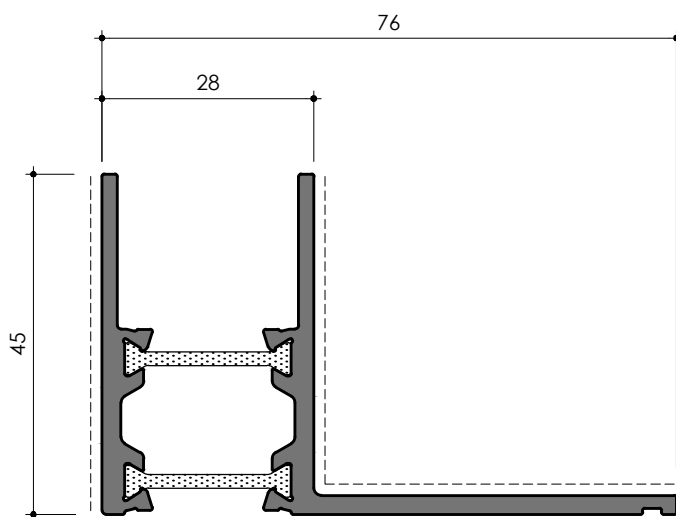
SL	SG
●	●

**K 963**

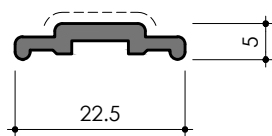
kg/m 0.33

Ox Sup.
Perim. t61 mm
165 mm**K 940**

kg/m 0.28

Ox Sup.
Perim. t- mm
159 mm**K 879**

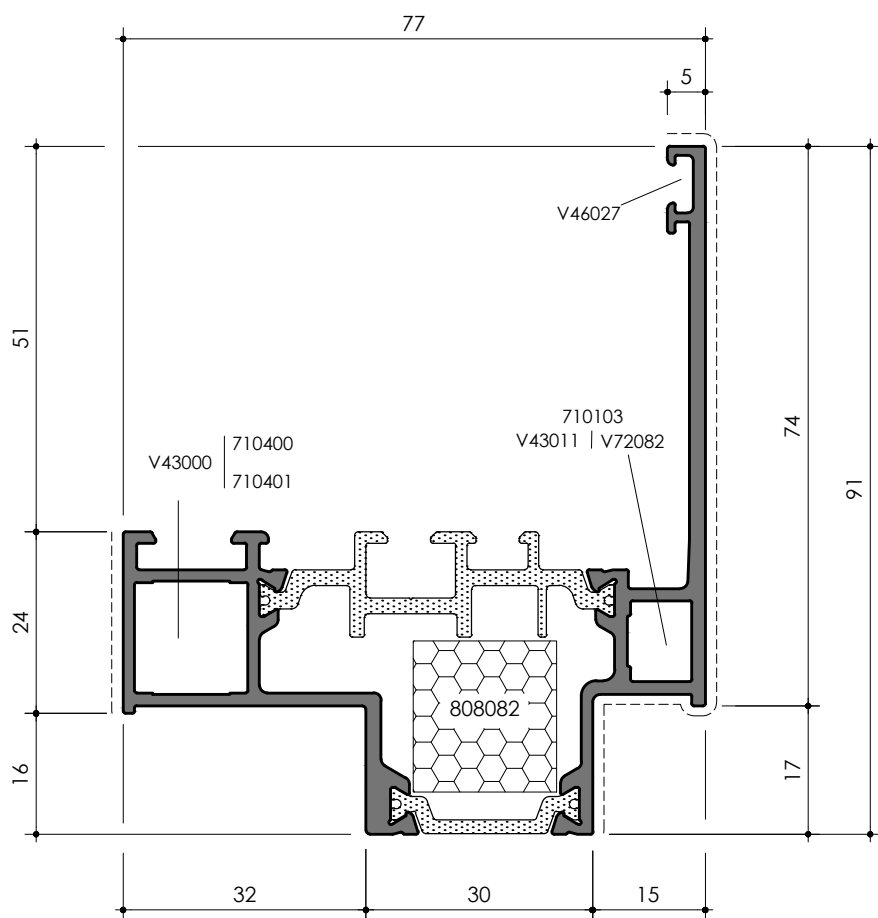
kg/m 1.25

Ox Sup.
Perim. t134 mm
300 mm**K 621**

kg/m 0.15

Ox Sup.
Perim. t15 mm
58 mm

PROFILI DI COMPLETAMENTO SERIE SL50
SECTIONS AS SL50 SERIES COMPLEMENT

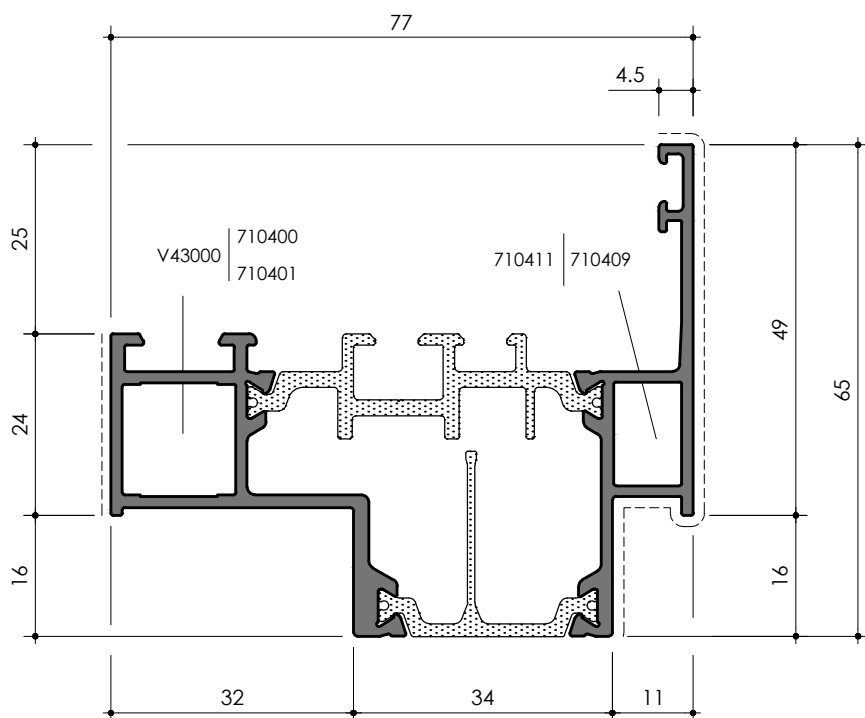


U48060

kg/m 1.70

Ox Sup.	138 mm	Perim.t	442 mm
Jx	32.63 cm ⁴	Wx	6.92 cm ³
Jy	26.80 cm ⁴	Wy	4.46 cm ³

serie C77K-CS
C77K-CS series



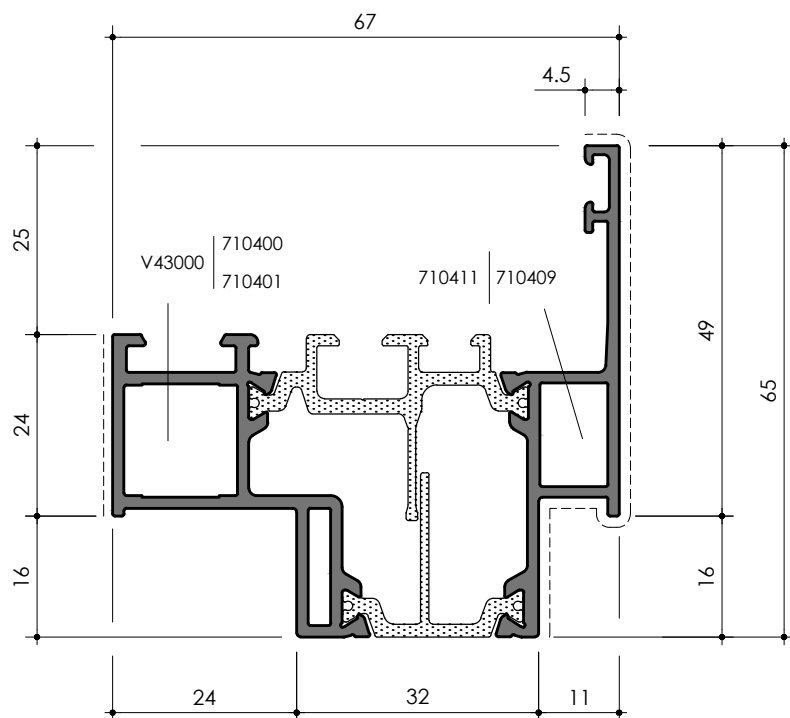
U28062

kg/m 1.47

Ox Sup.	109 mm	Perim.t	412 mm
Jx	27.16 cm ⁴	Wx	6.38 cm ³
Jy	10.48 cm ⁴	Wy	2.59 cm ³

serie C77K
C77K series

PROFILI DI COMPLEMENTAMENTO SERIE SL50
SECTIONS AS SL50 SERIES COMPLEMENT



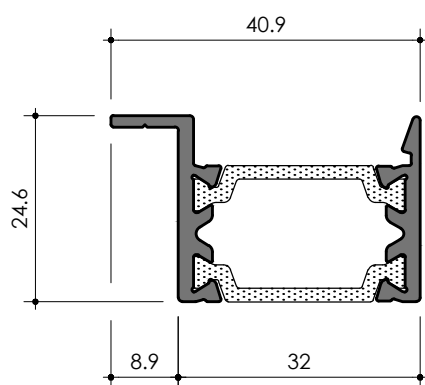
U20062

kg/m 1.50

Ox Sup.	109 mm	Perim.t	365 mm
Jx	19.22 cm ⁴	Wx	5.21 cm ³
Jy	10.64 cm ⁴	Wy	2.62 cm ³

serie C67K
C67K series

serie
D67
series

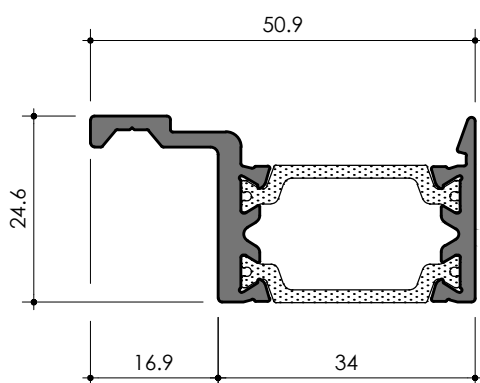


U51261

kg/m 0.64

Ox Sup. - mm
Perim. † 143 mm

serie
D77
series

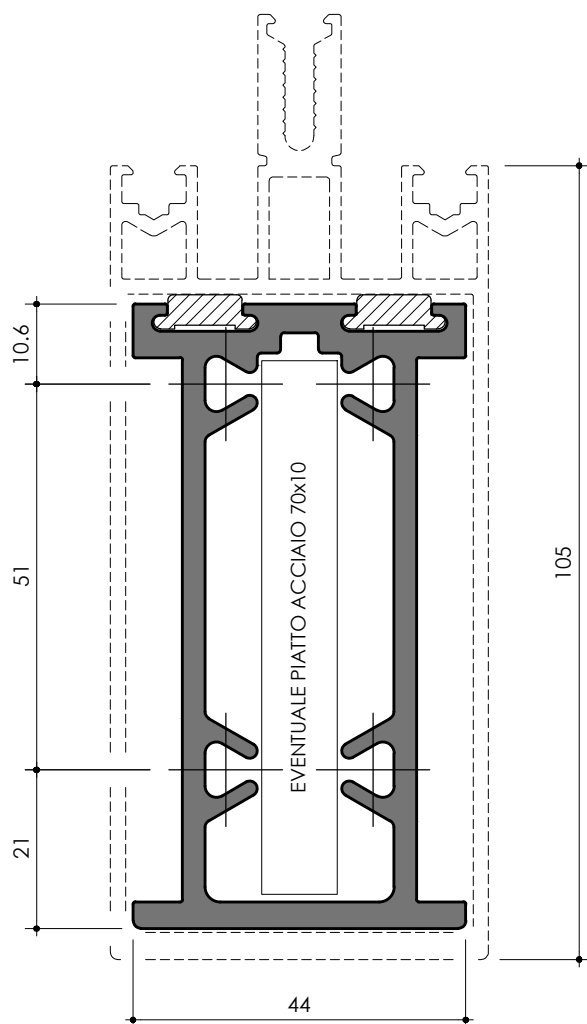


U52261

kg/m 0.71

Ox Sup. - mm
Perim. † 190 mm

GIUNTI DI DILATAZIONE / RINFORZI
EXTRUDED SECTIONS FOR DILATATION REINFORCEMENT

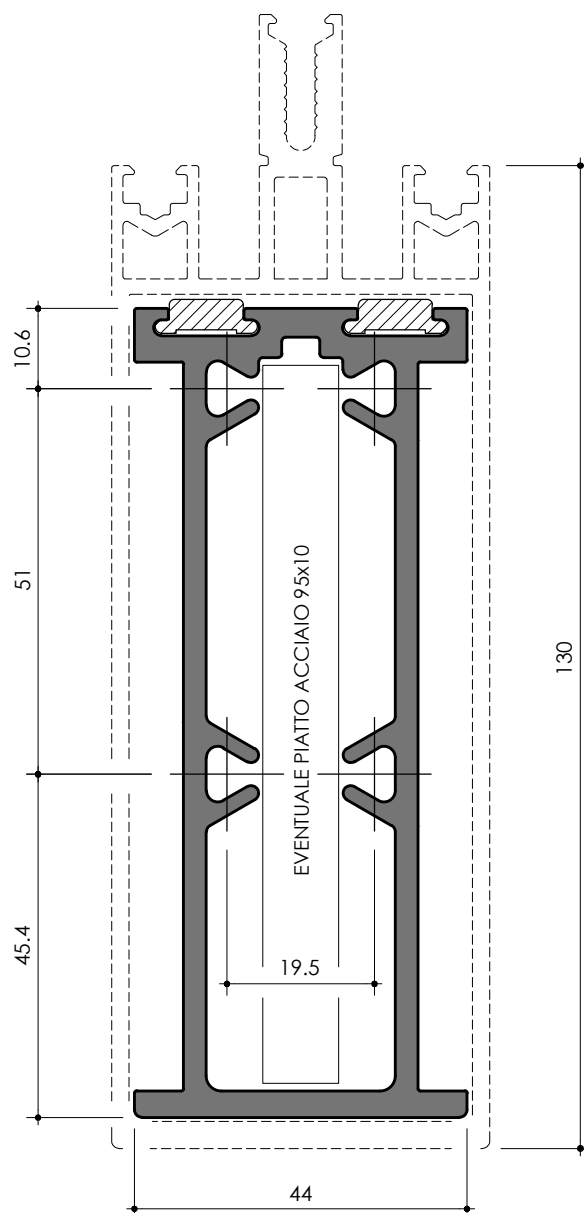


PER MONTANTE K732
FOR K732 MULLION

K 1800

Kg/m 2.57

Jx	79.58 cm ⁴	Wx	18.81 cm ³
Jy	15.80 cm ⁴	Wy	7.18 cm ³



PER MONTANTE K733
FOR K733 MULLION

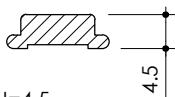
K 1801

Kg/m 2.98

Jx	146.73 cm ⁴	Wx	26.18 cm ³
Jy	18.68 cm ⁴	Wy	8.49 cm ³

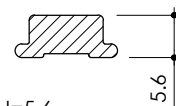
800008

BARRETTA ANTIFRIZIONE H=4.5
 ANTI-SLIDING THICKNESS

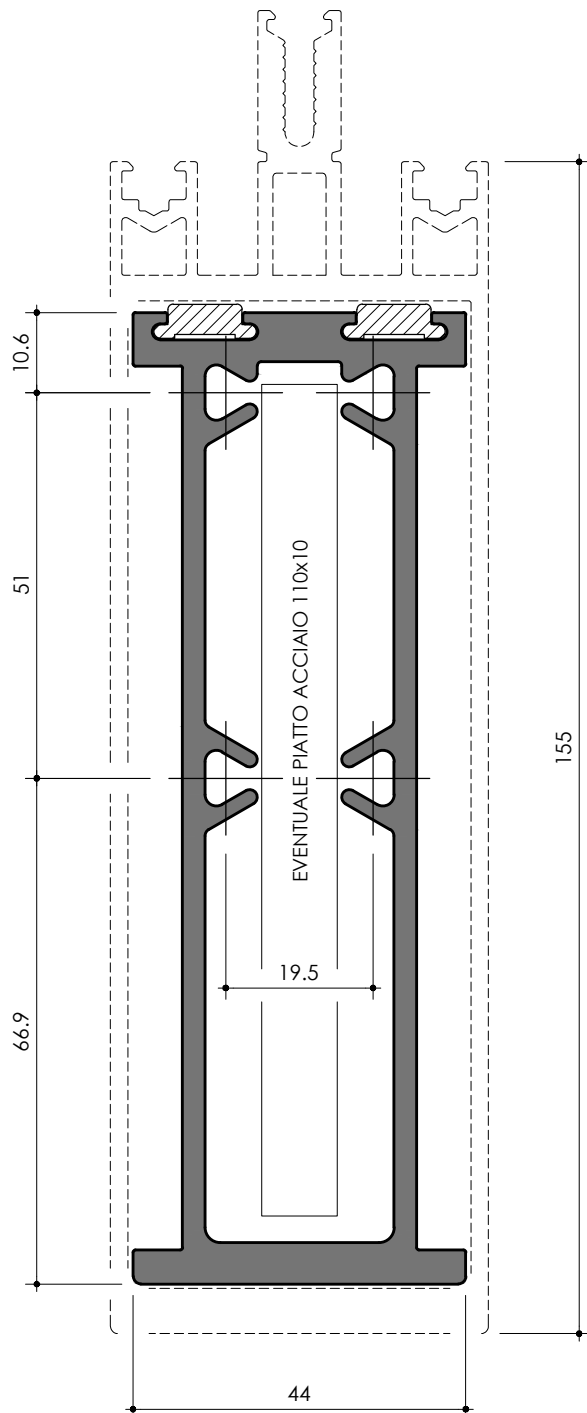


800033

BARRETTA ANTIFRIZIONE H=5.6
 ANTI-SLIDING THICKNESS



GIUNTI DI DILATAZIONE / RINFORZI
EXTRUDED SECTIONS FOR DILATATION REINFORCEMENT

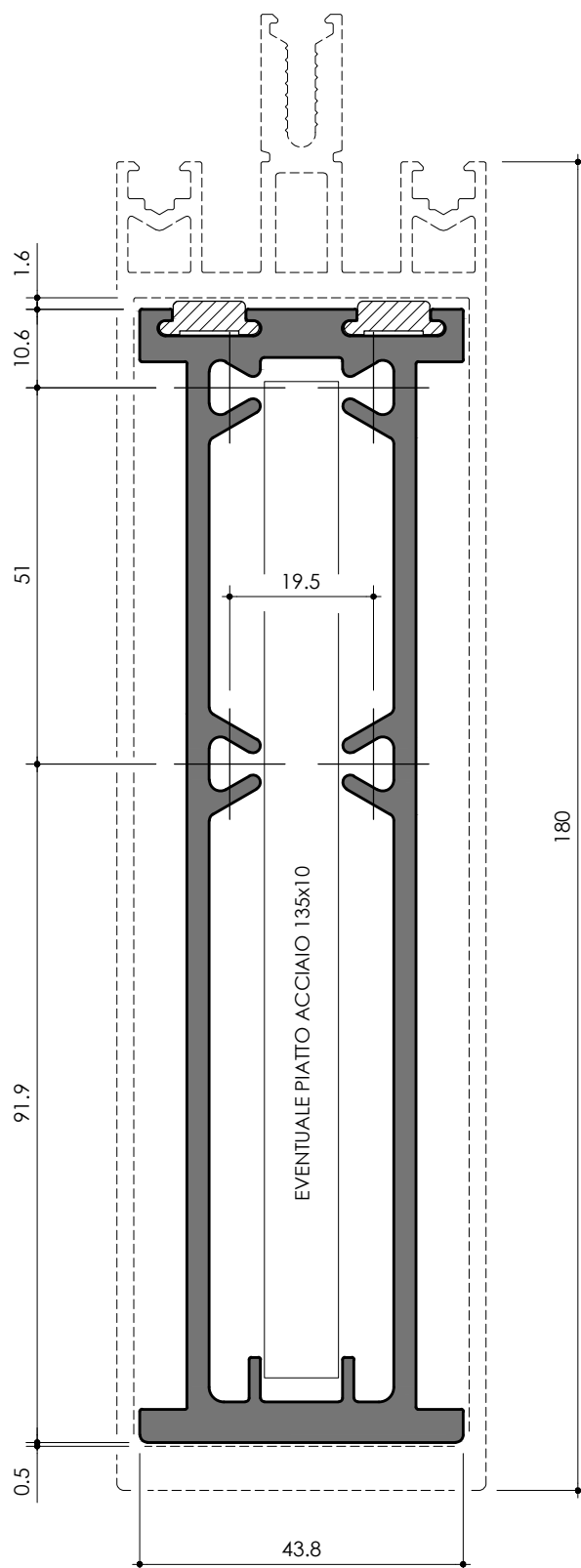


PER MONTANTE K734
FOR K734 MULLION

K 1805

Kg/m 3.56

Jx	260.20 cm ⁴	Wx	39.85 cm ³
Jy	21.95 cm ⁴	Wy	9.98 cm ³



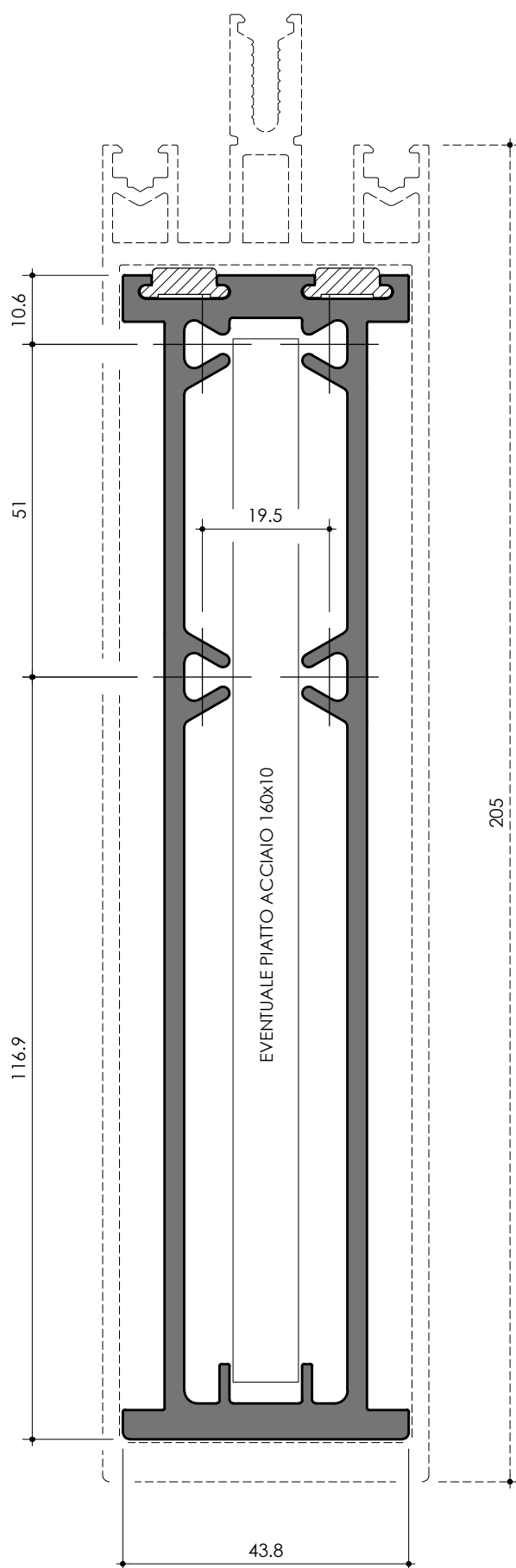
PER MONTANTE K760
FOR K760 MULLION

K 1828

Kg/m 4.04

Jx	414.62 cm ⁴	Wx	53.41 cm ³
Jy	24.86 cm ⁴	Wy	11.35 cm ³

GIUNTI DI DILATAZIONE / RINFORZI
EXTRUDED SECTIONS FOR DILATATION REINFORCEMENT



PER MONTANTE K735
FOR K735 MULLION

K 1806

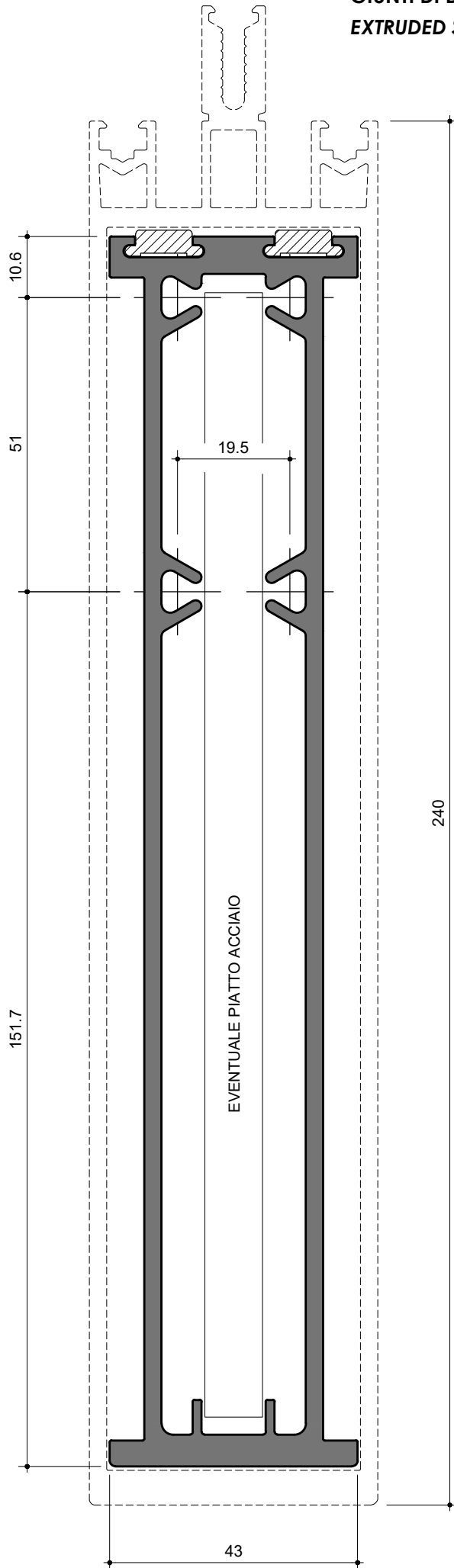
Kg/m 4.46

Jx	608.73 cm ⁴	Wx	67.14 cm ³
Jy	27.81 cm ⁴	Wy	12.70 cm ³

SL	SG
●	●

GIUNTI DI DILATAZIONE / RINFORZI

EXTRUDED SECTIONS FOR DILATATION REINFORCEMENT



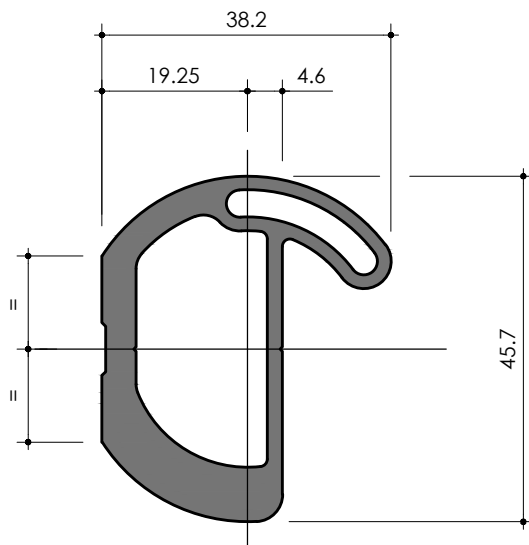
PER MONTANTE K769
FOR K769 MULLION

K 1807

Kg/m 5.02

Jx	942.06 cm ⁴	Wx	87.07 cm ³
Jy	31.32 cm ⁴	Wy	14.57 cm ³

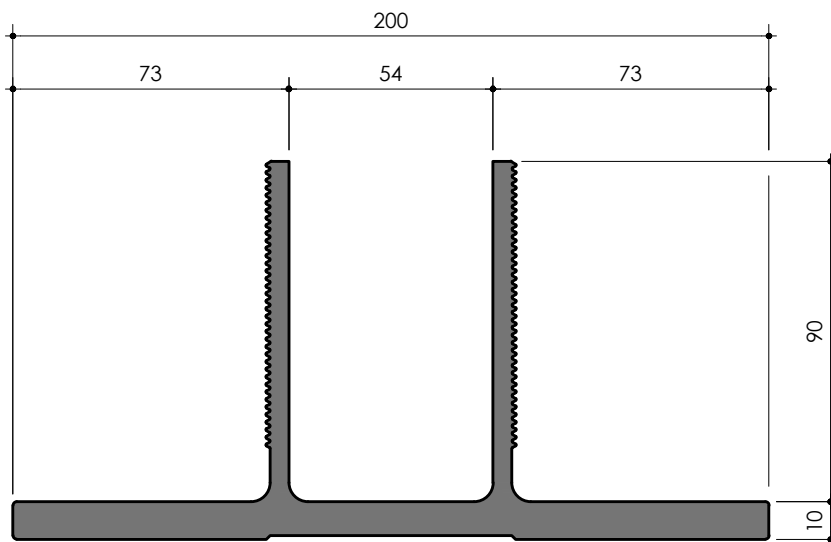
SL	SG
●	●



K 1803

Kg/m 1.19

PROFILO PER MENSOLE, TRAVERSI INCLINATI
SECTION FOR SLOPING TRANSOM BRACKET

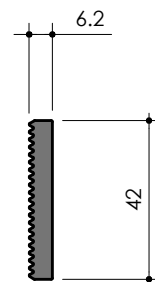


K 1804

Kg/m 8.34

PROFILO PER ATTACCO MONTANTI A SOLAIO
SECTION FOR MULLION FLOOR FIXING BRACKET

scala 1:2

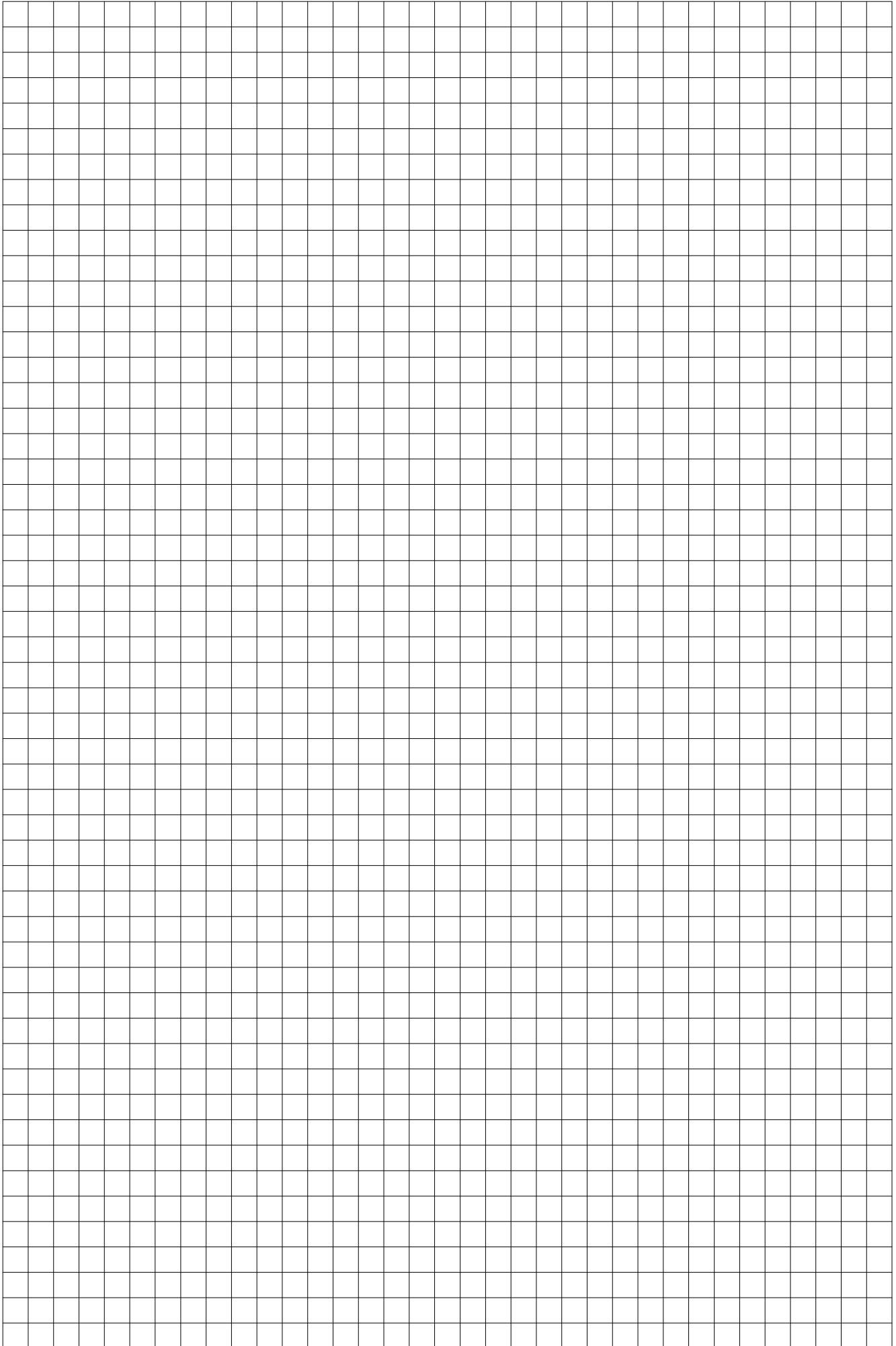


K 1819

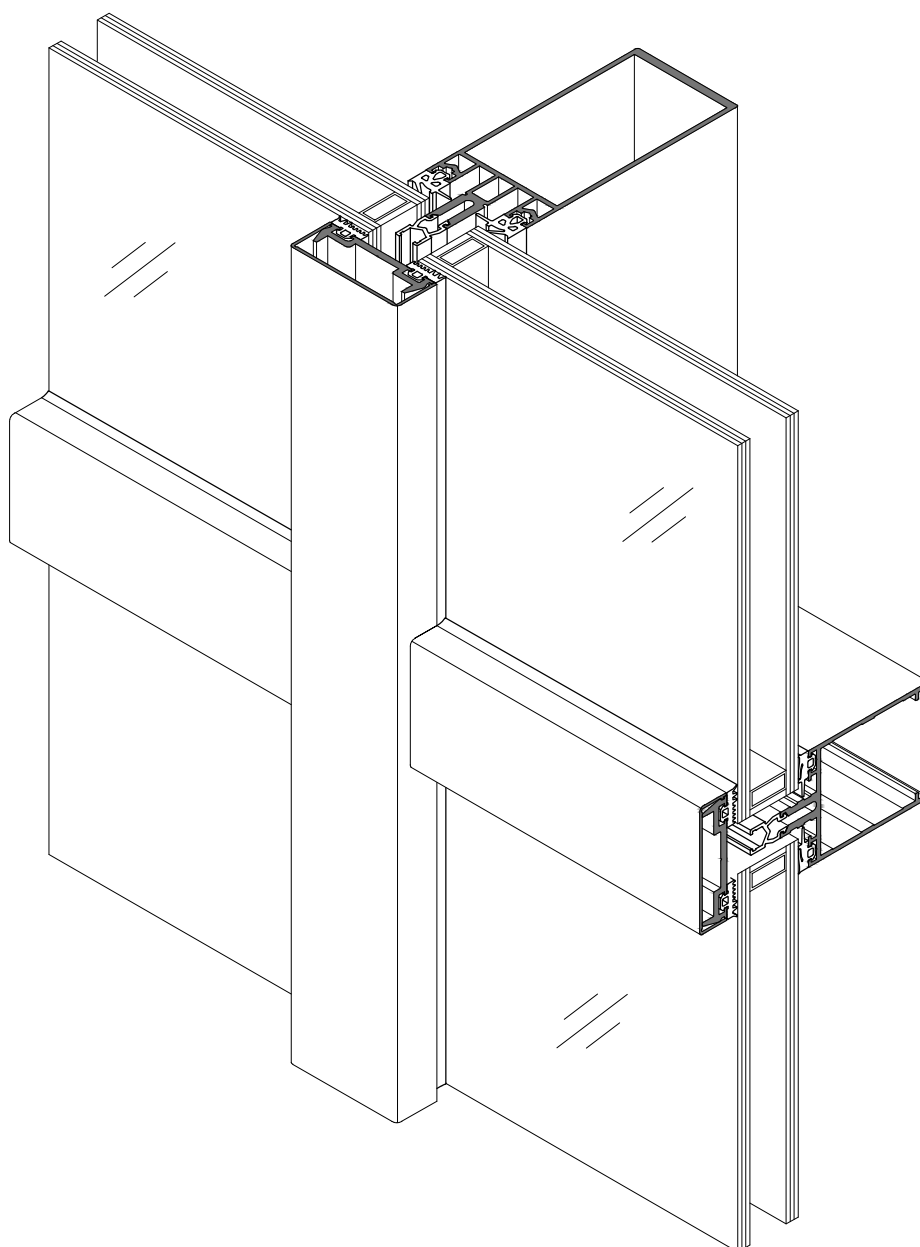
Kg/m 0.66

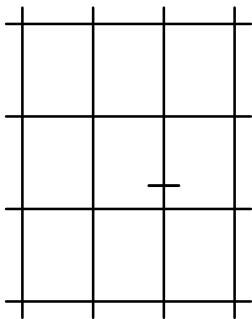
PROFILO PER PIASTRA DI FISSAGGIO
SECTION FOR FIXING PLATE

scala 1:2

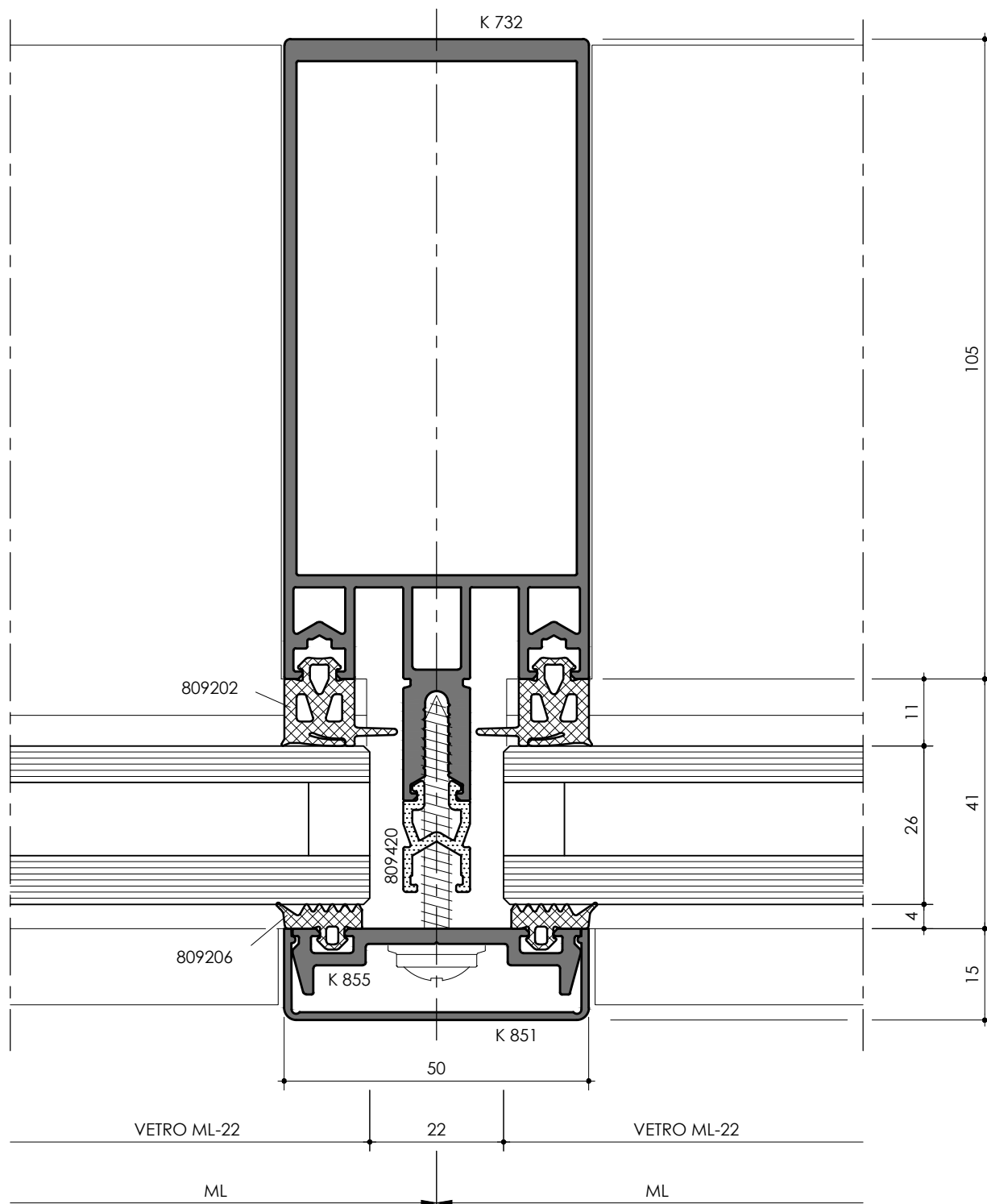


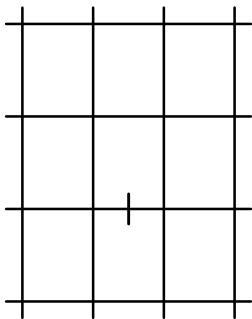
SEZIONI TIPICHE SL50
TYPICAL DETAILS SL50





SL	SG
●	





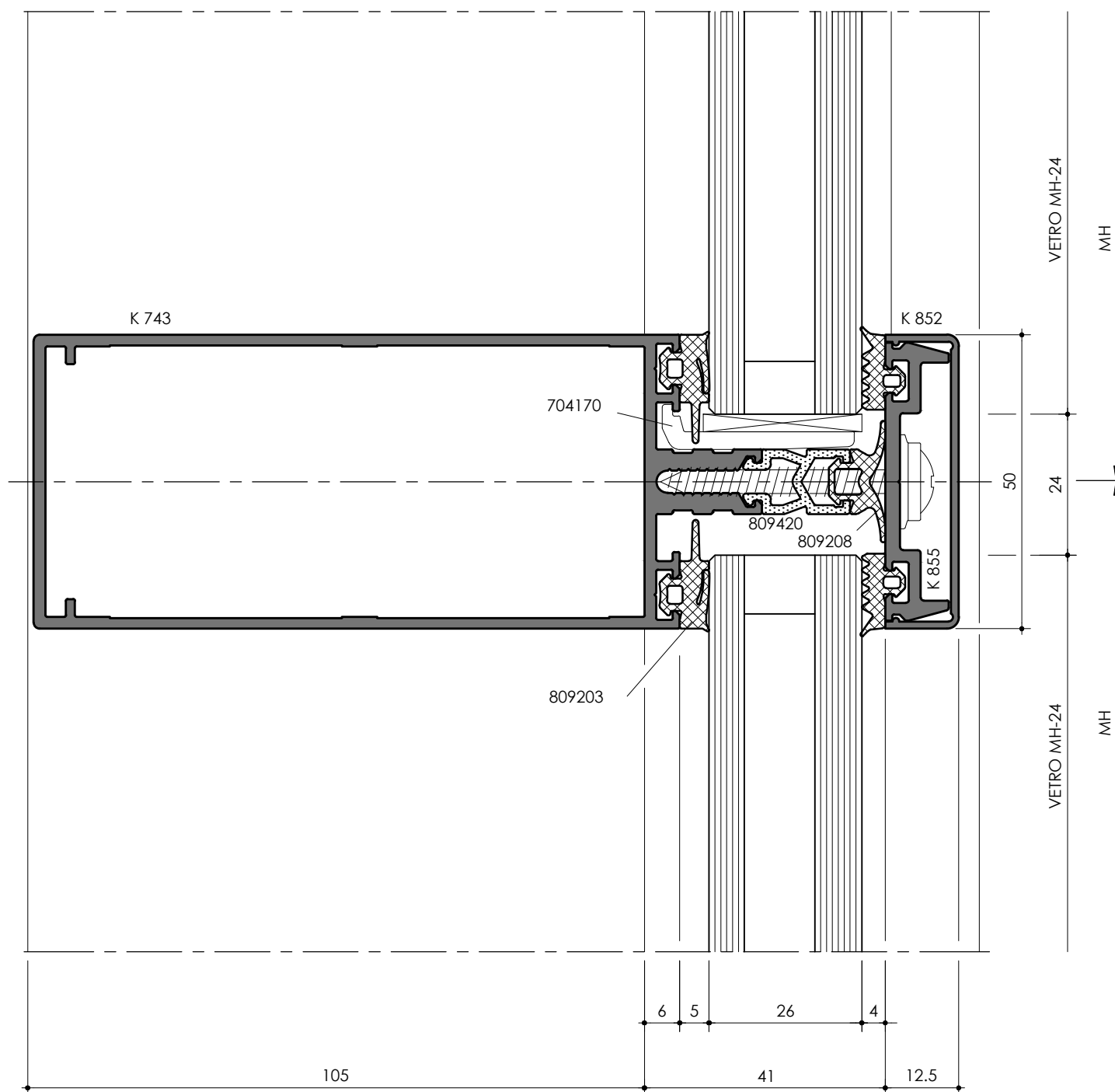
ALUK

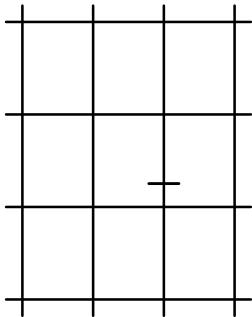
SL50 - SG50

6.03

GIUGNO 2021

SL	SG
●	





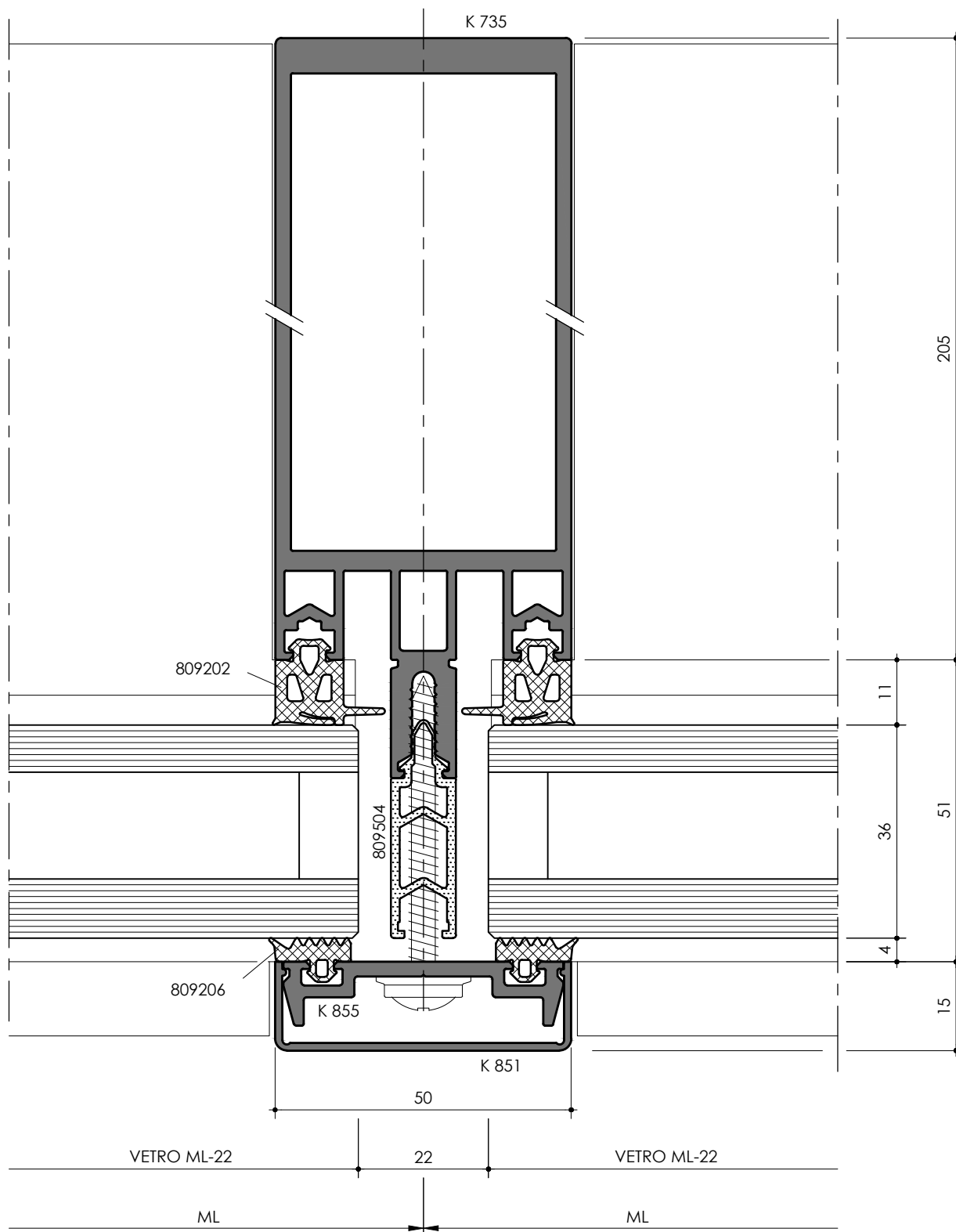
ALUK

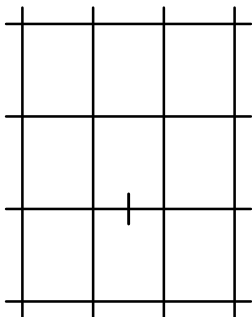
SL50 - SG50

6.04

GIUGNO 2021

SL	SG
●	





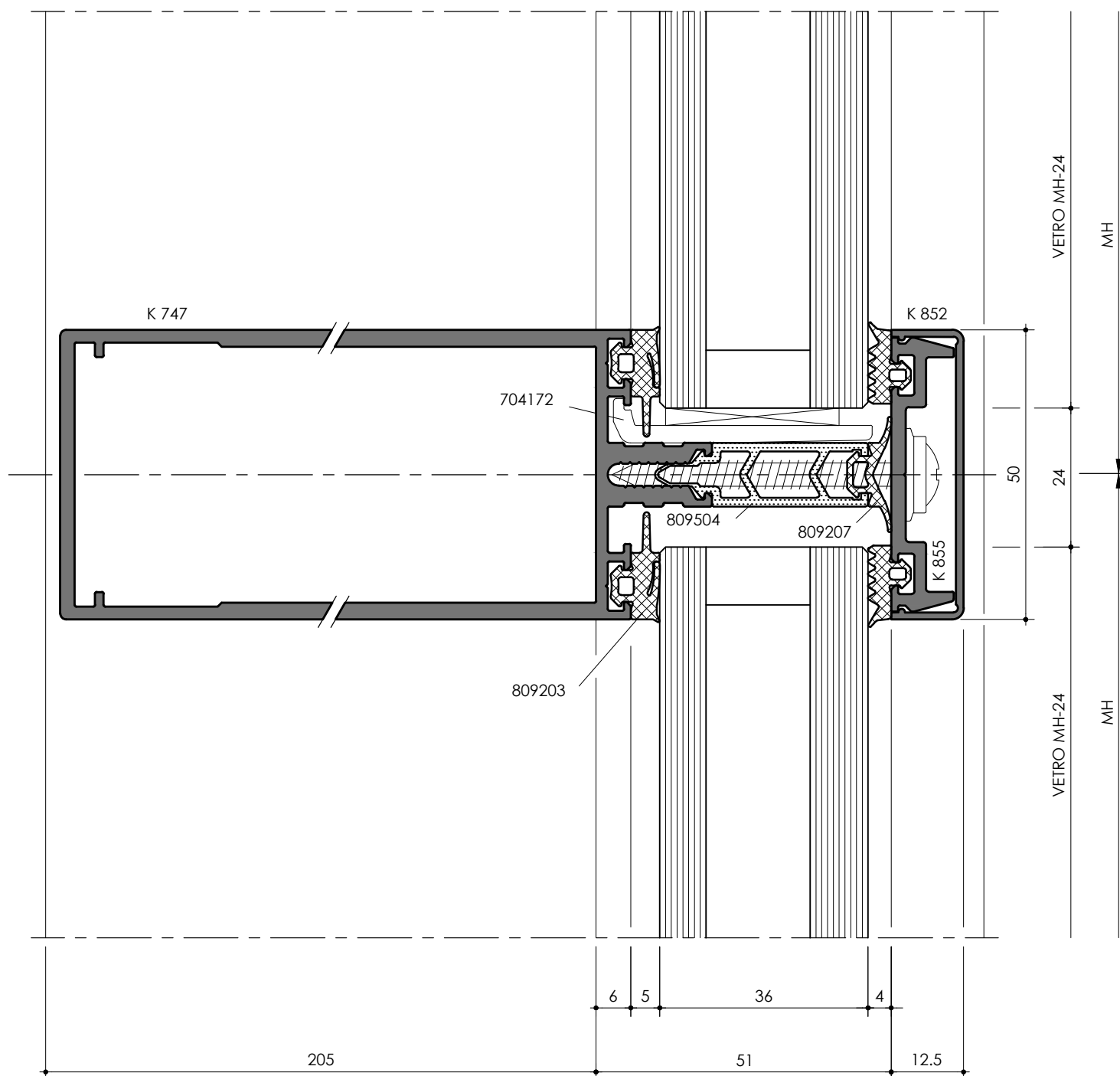
ALUK

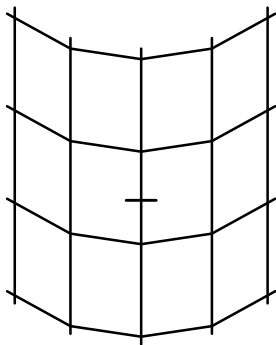
SL50 - SG50

6.05

GIUGNO 2021

SL	SG
●	



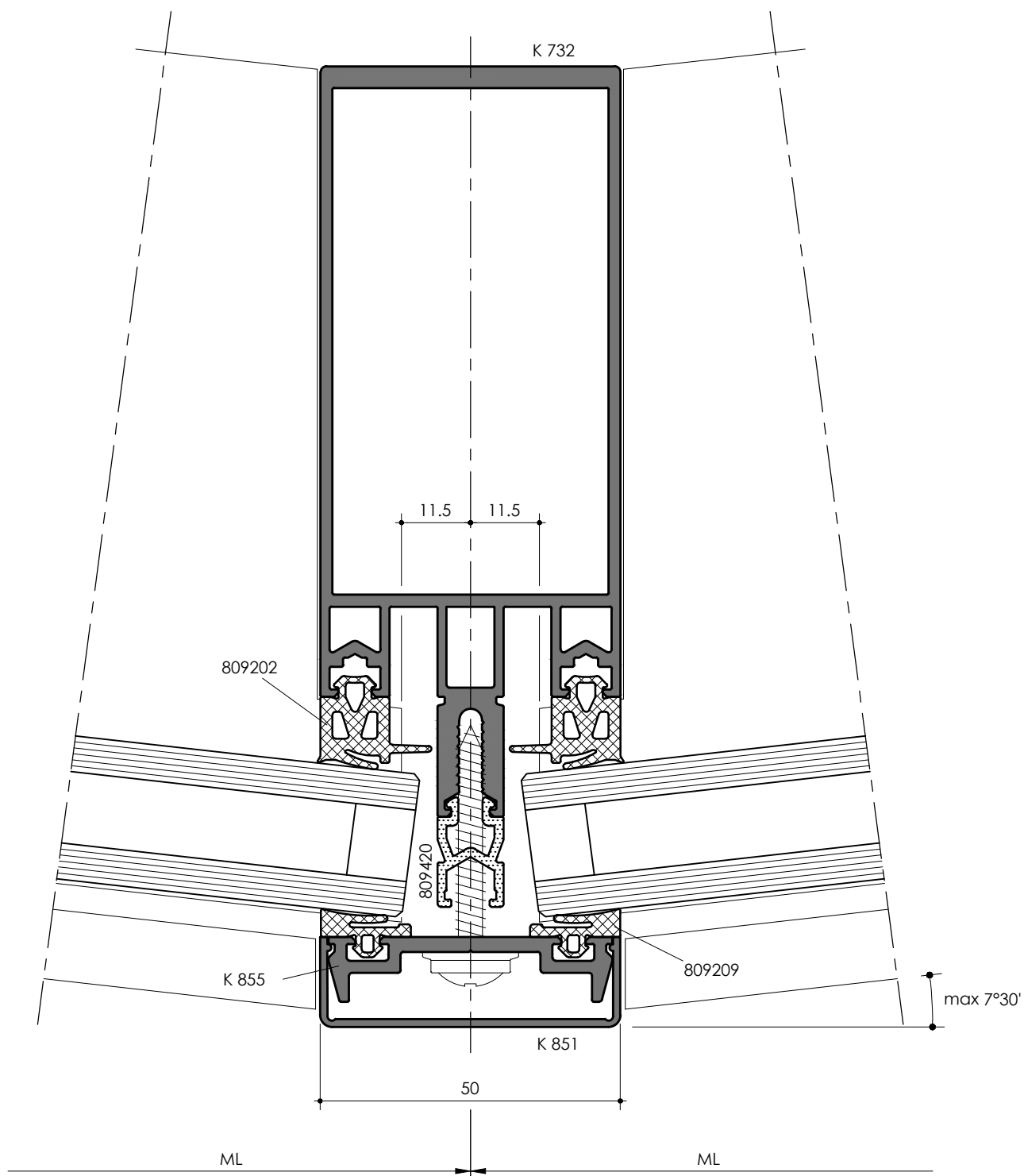
**ALUK**

SL50 - SG50

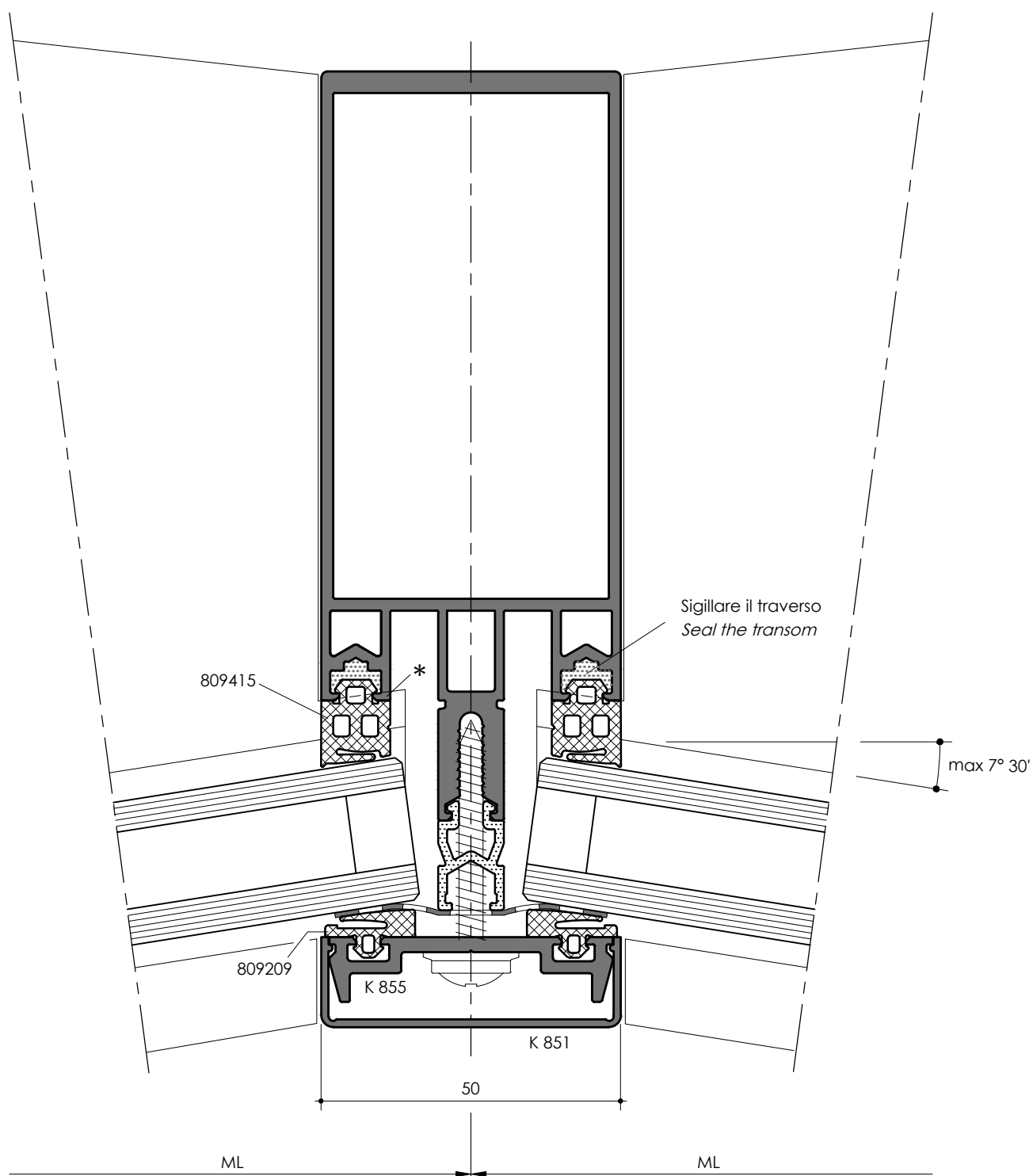
6.06

GIUGNO 2021

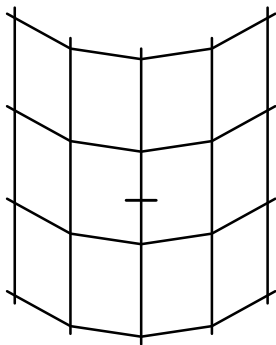
SL	SG
●	



SL	SG
●	



* FRESARE IL MONTANTE IN CORRISPONDENZA DELL' INSERIMENTO DEL TRAVERSO
FOR A CORRECT ASSEMBLY, MULLION SHOULD BE MILLED AT TRANSOM JOINT

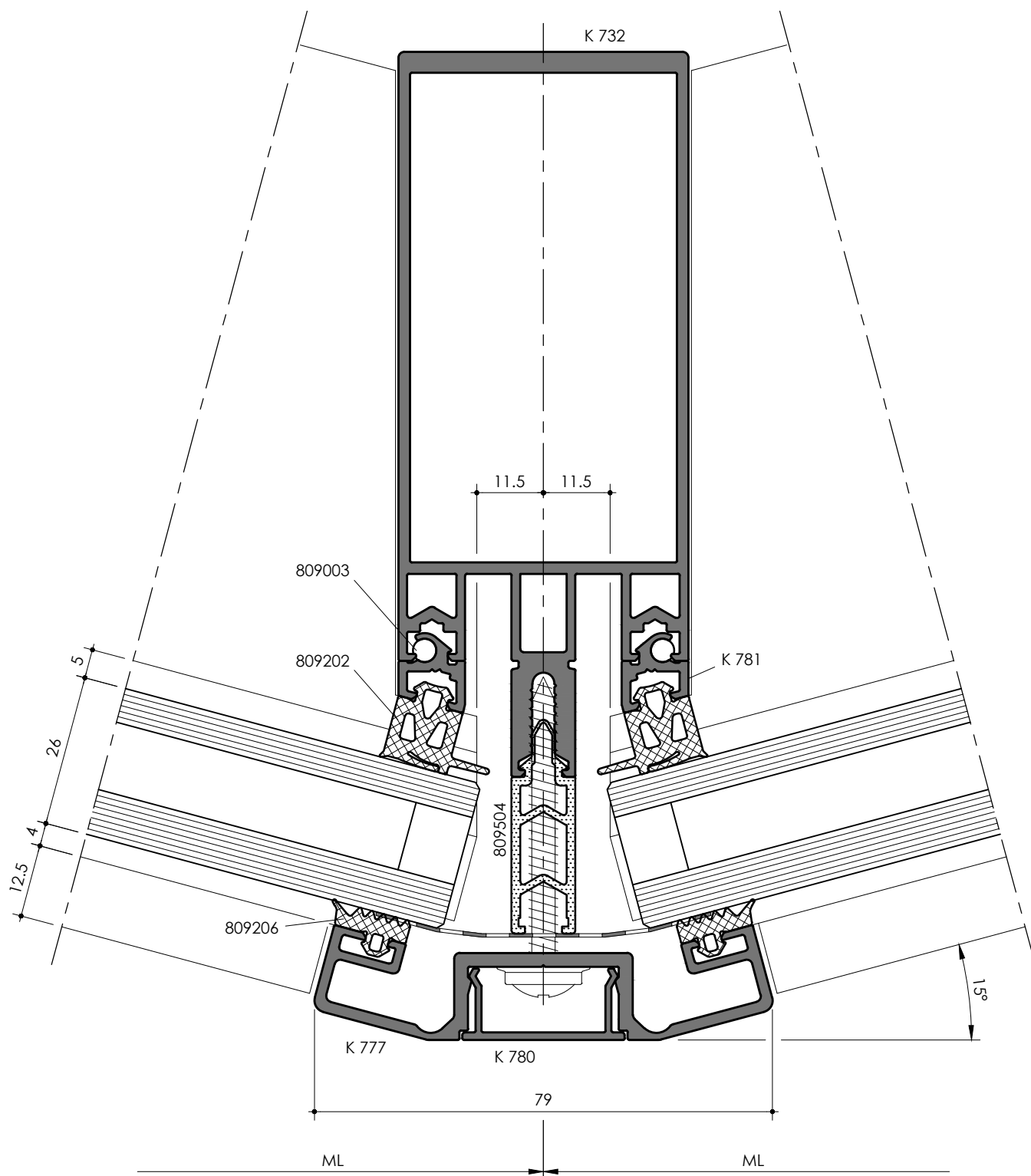
**ALUK**

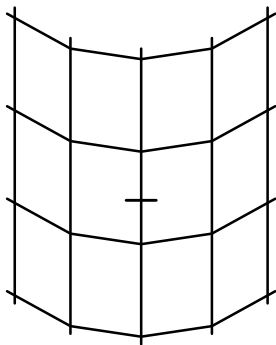
SL50 - SG50

6.08

GIUGNO 2021

SL	SG
●	





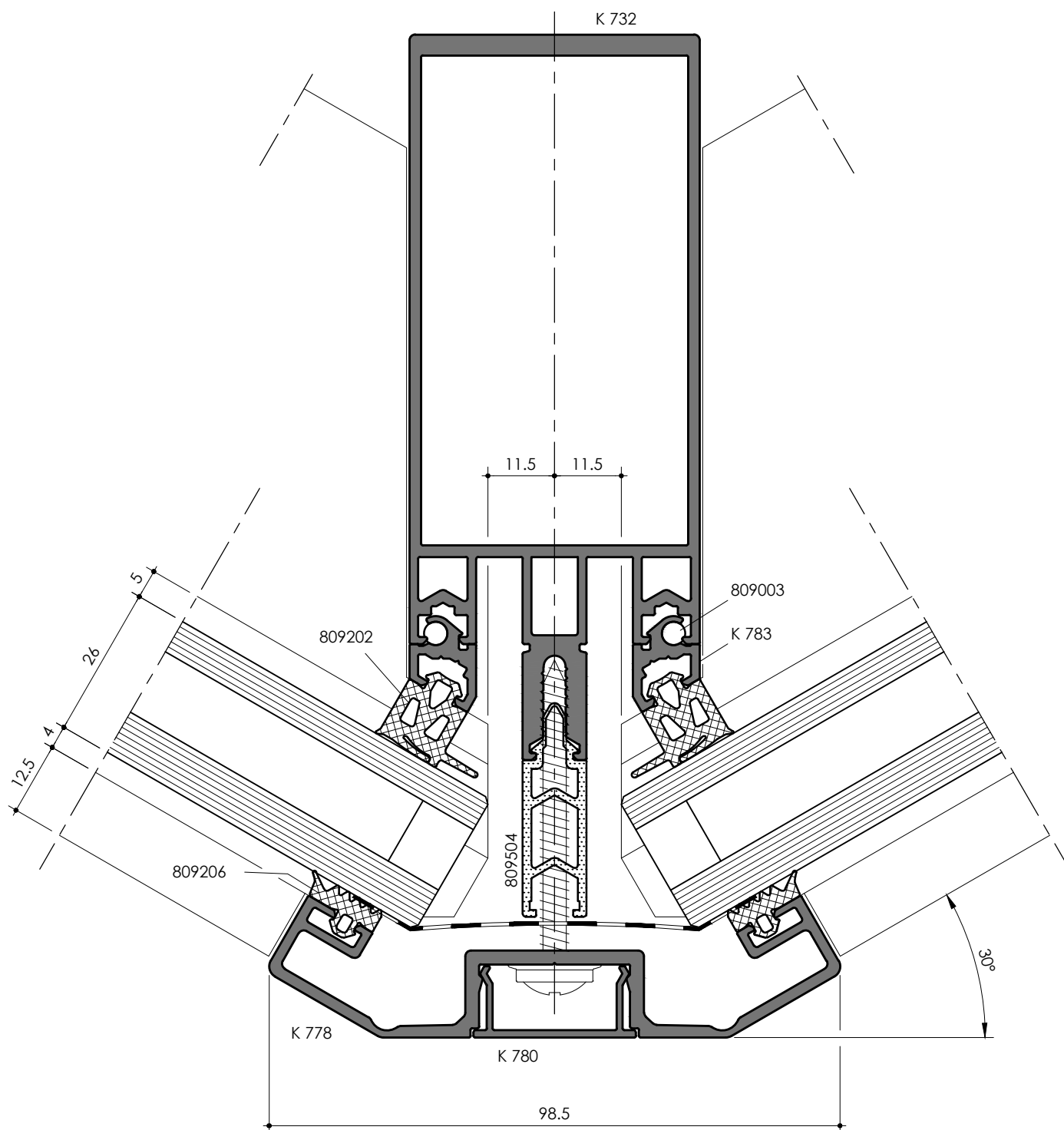
ALUK

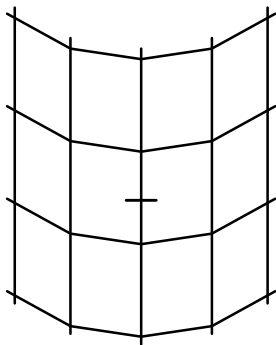
SL50 - SG50

6.09

GIUGNO 2021

SL	SG
●	



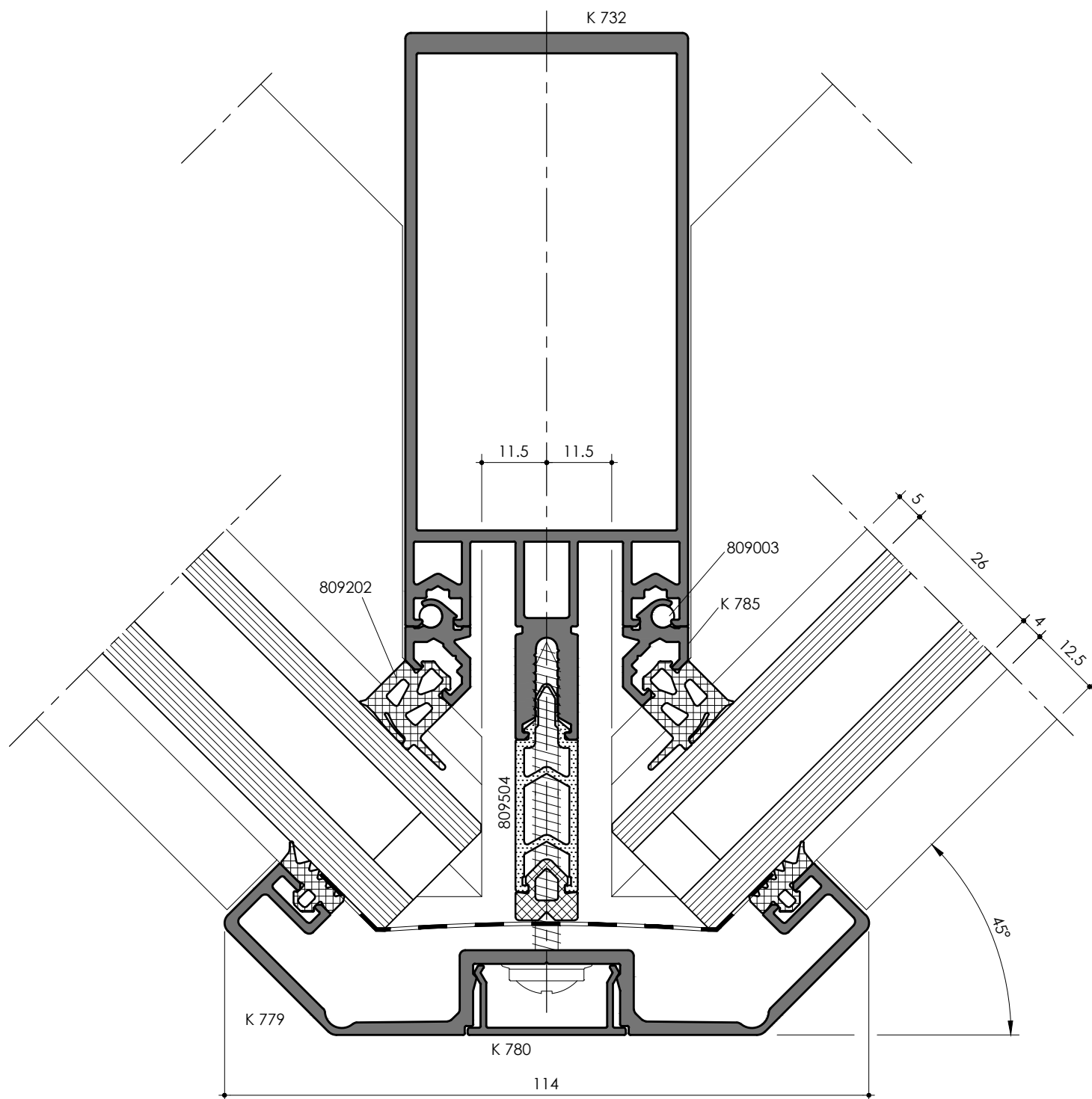
**ALUK**

SL50 - SG50

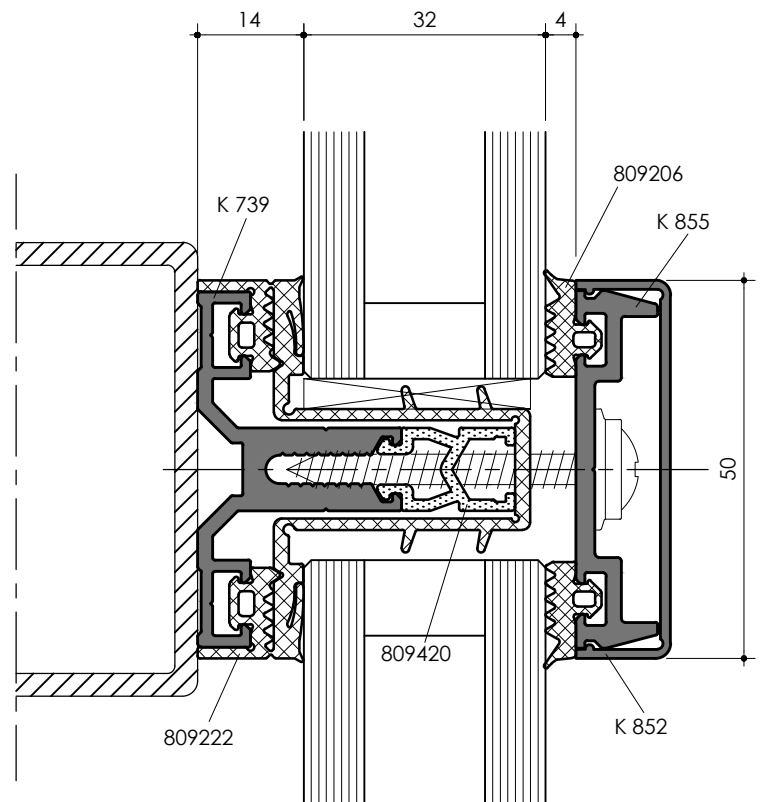
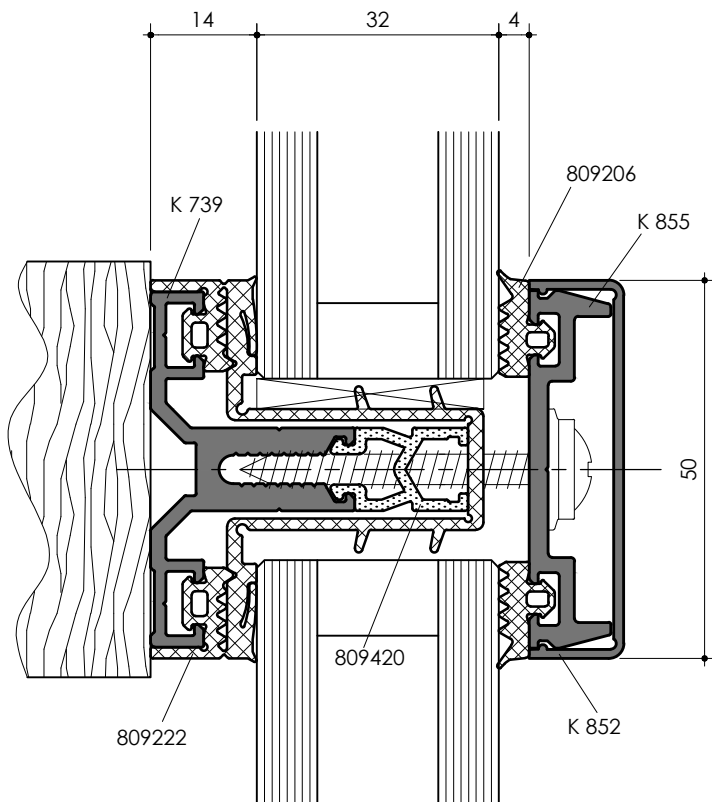
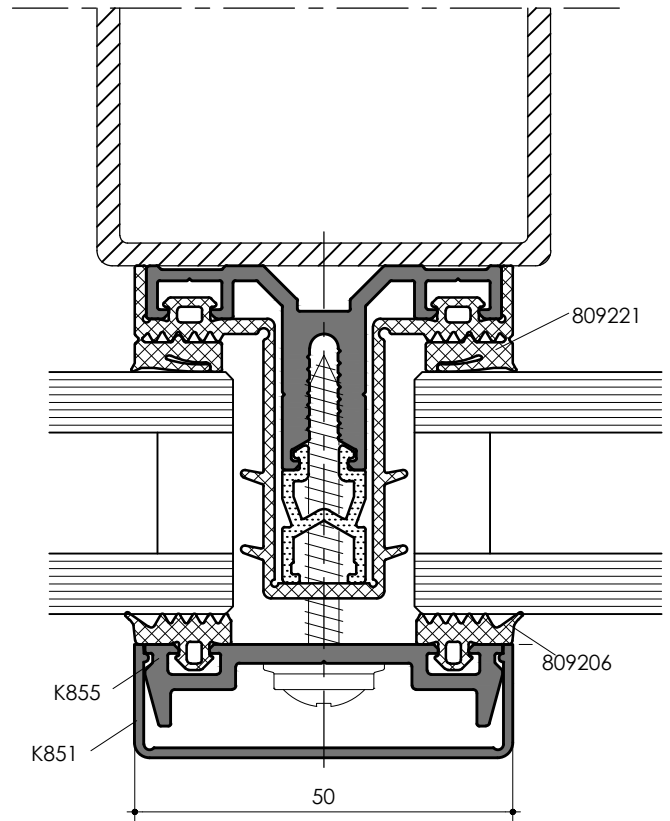
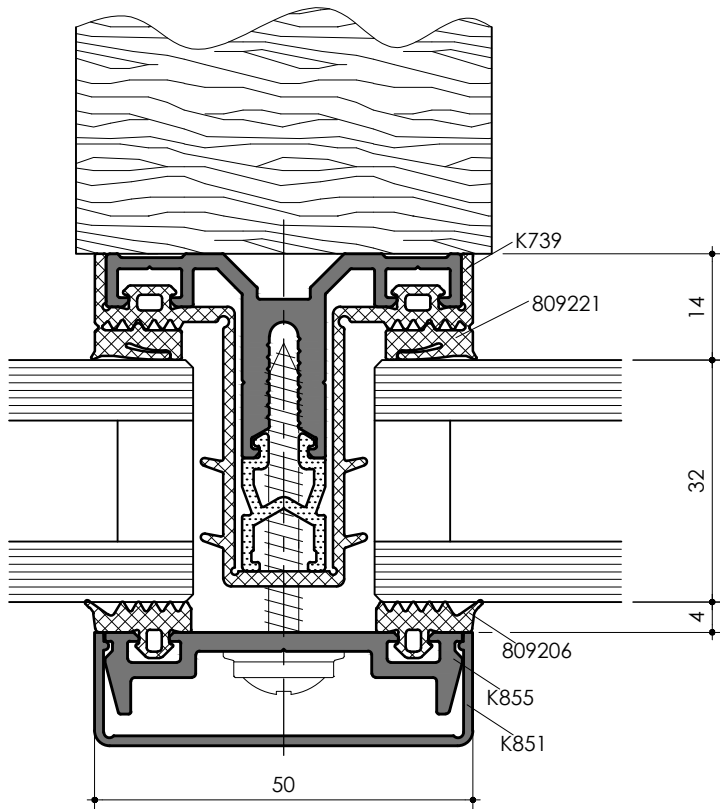
6.10

GIUGNO 2021

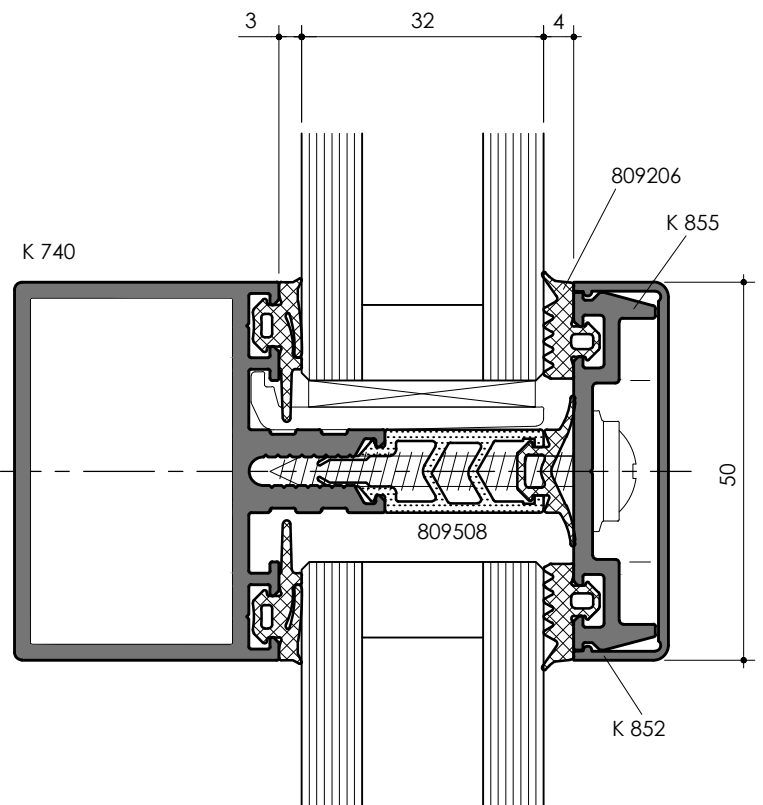
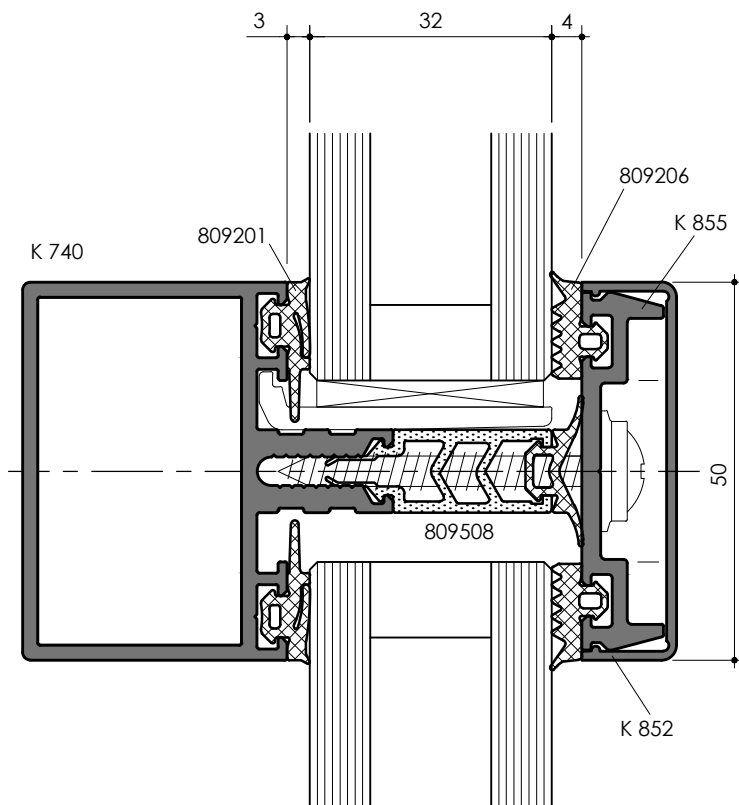
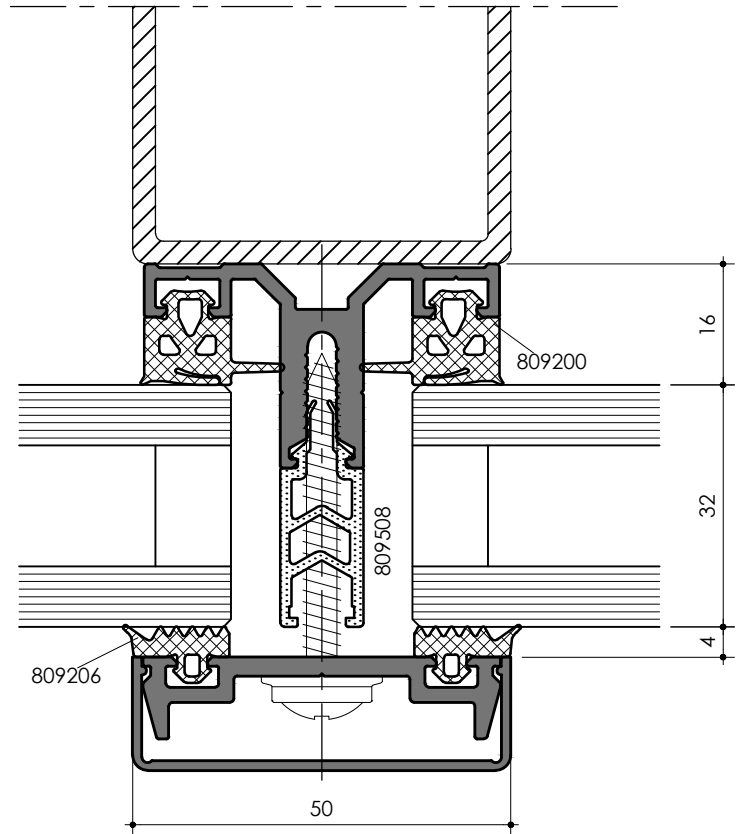
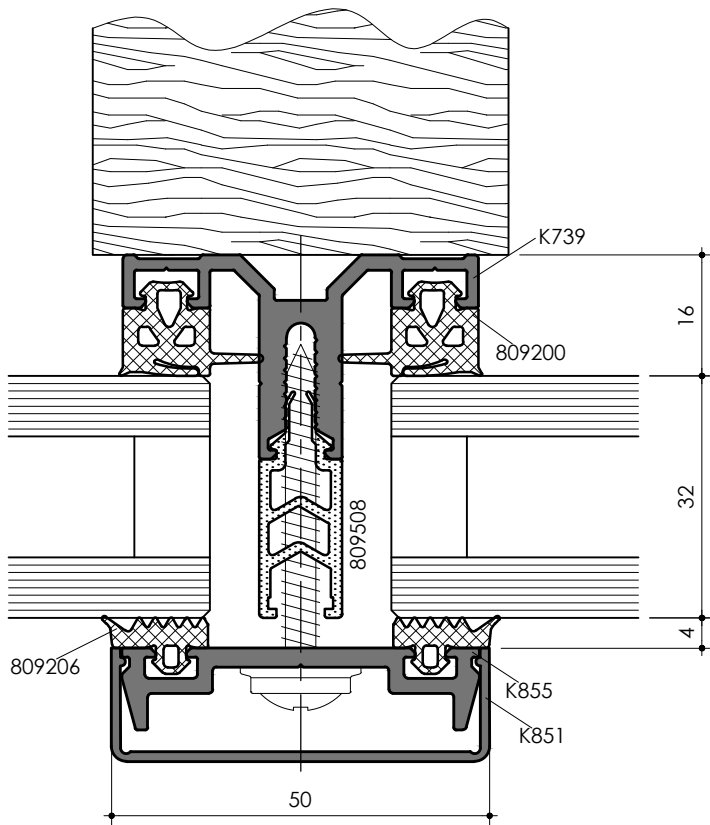
SL	SG
●	

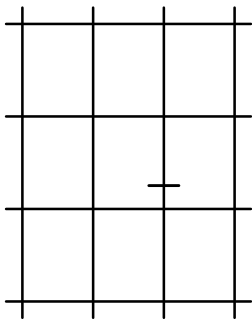


SL	SG
●	



SL	SG
●	





ALUK

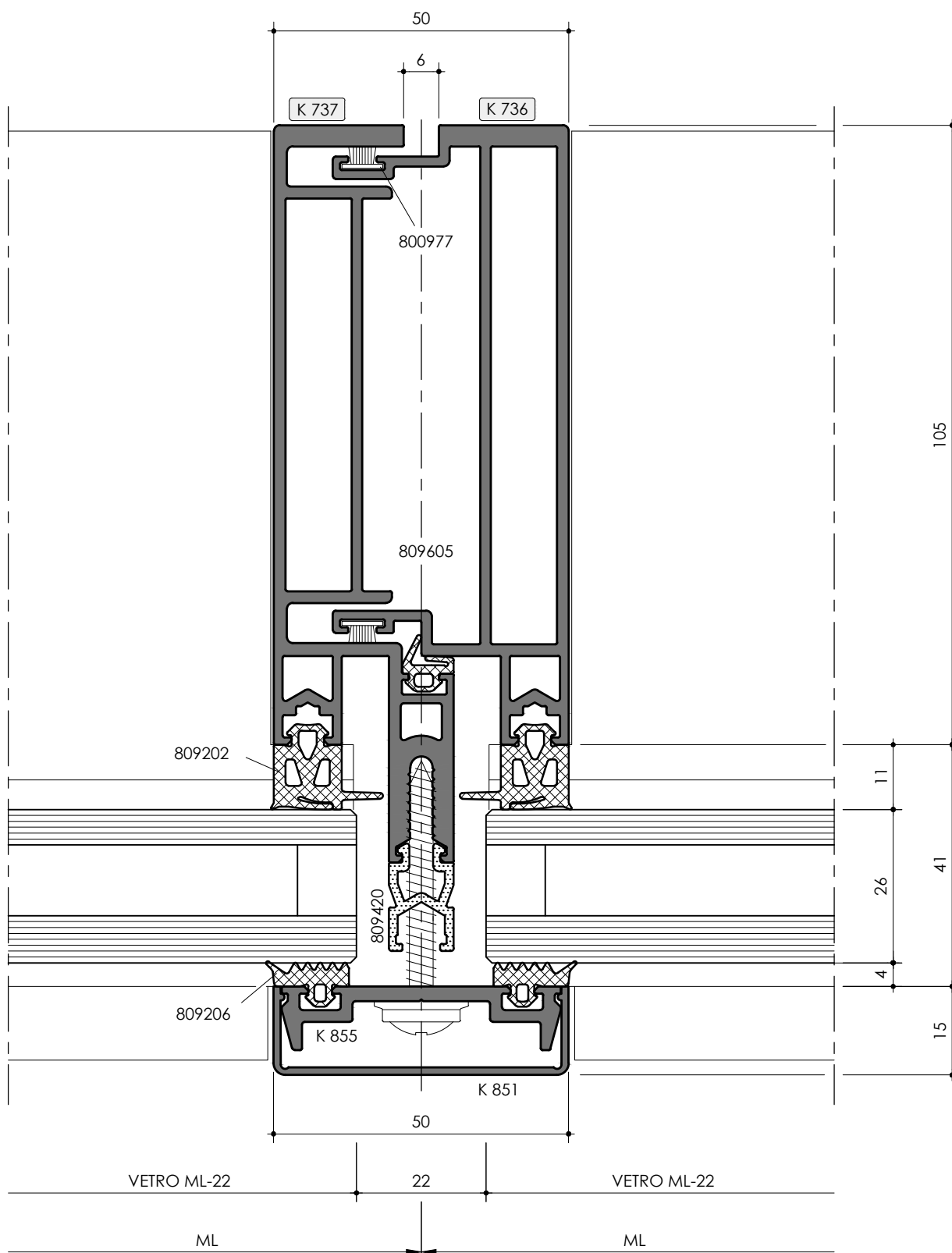
SL50 - SG50

6.21

GIUGNO 2021

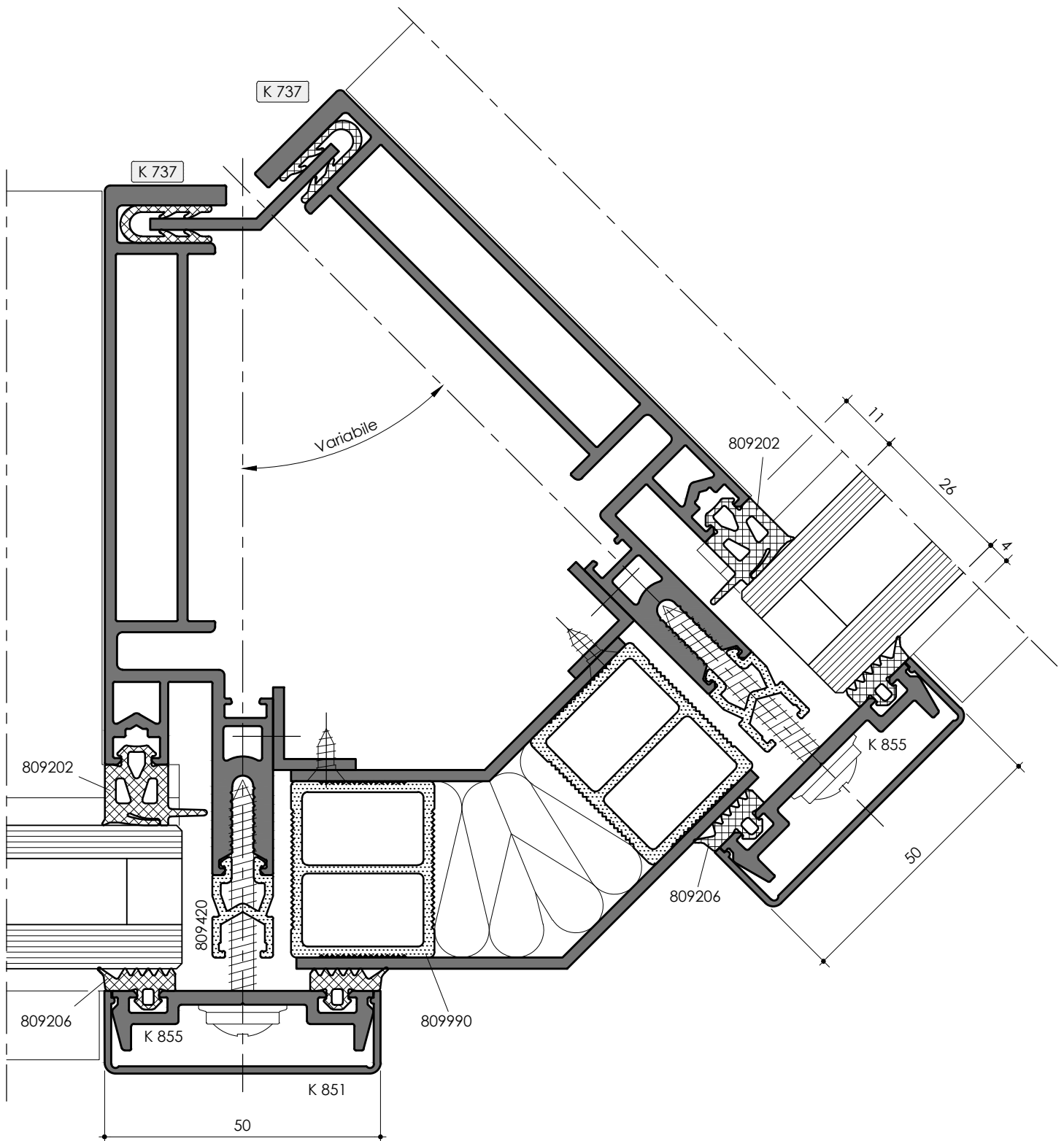
SL	SG
●	

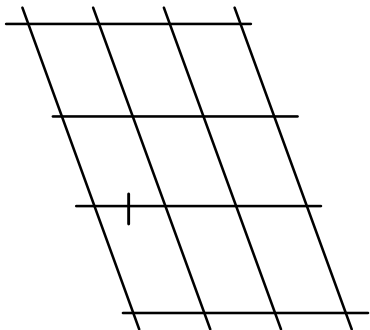
A RICHIESTA
AVAILABLE ON REQUEST





A RICHIESTA
AVAILABLE ON REQUEST



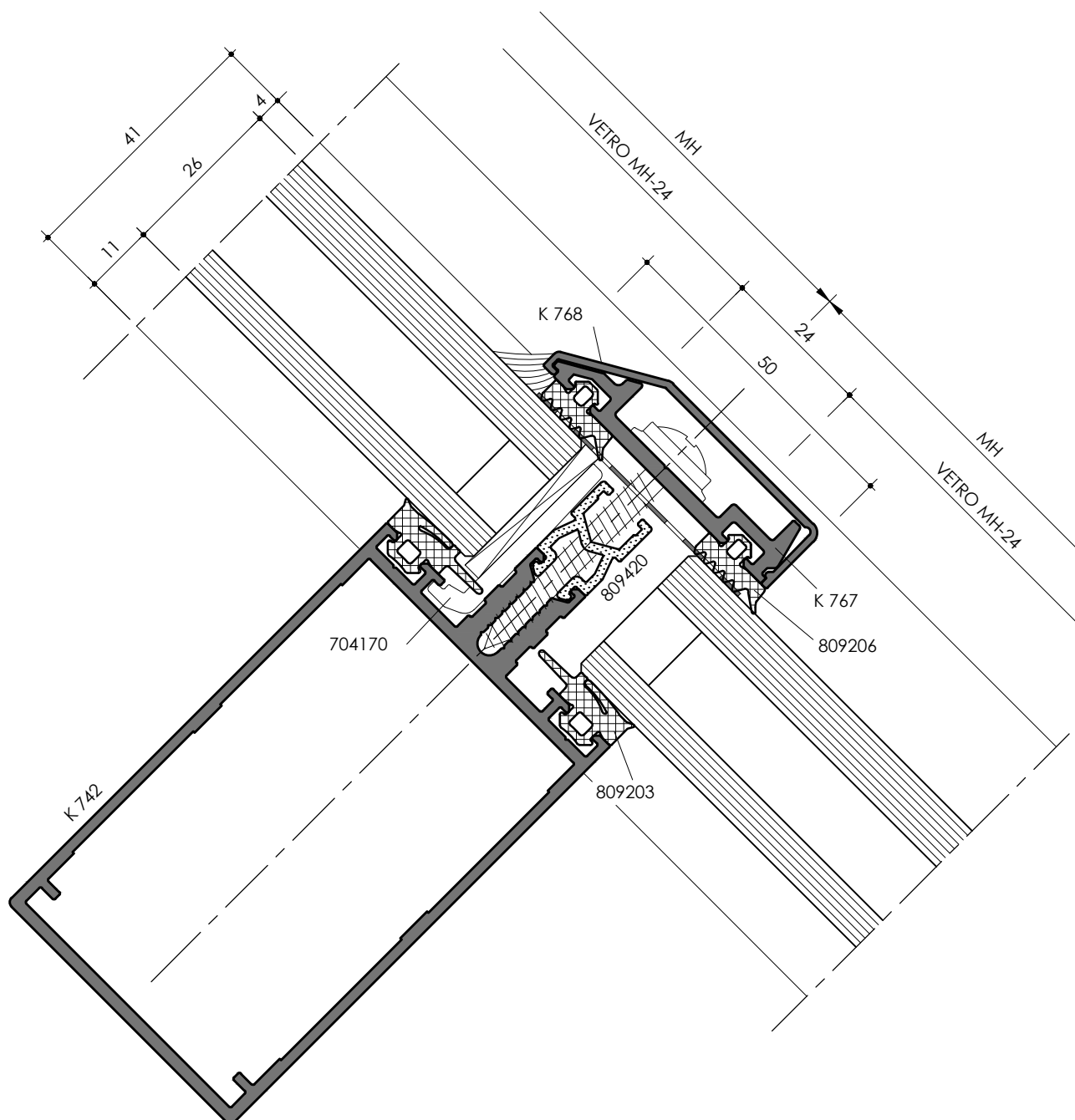
**ALUK**

SL50 - SG50

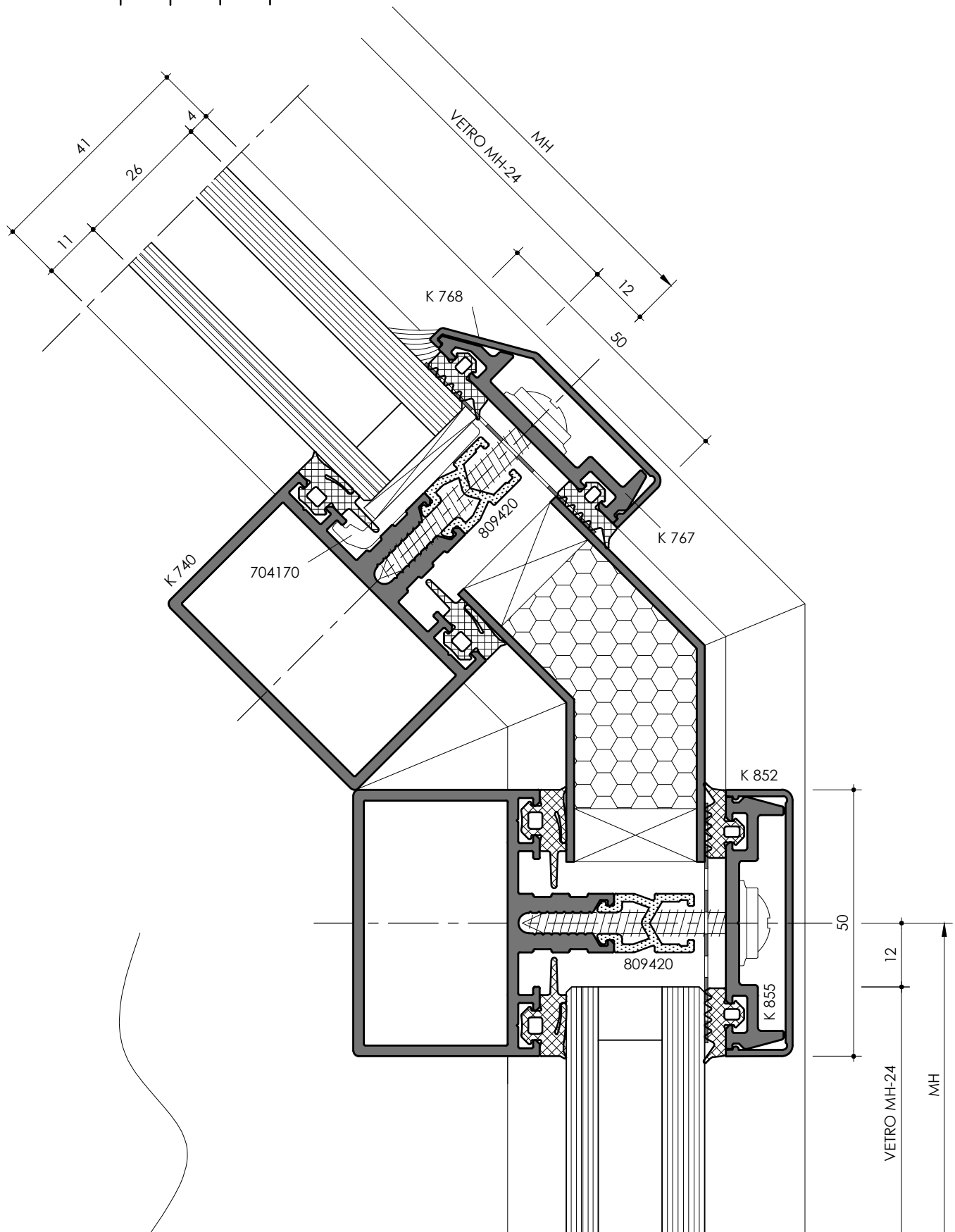
6.31

GIUGNO 2021

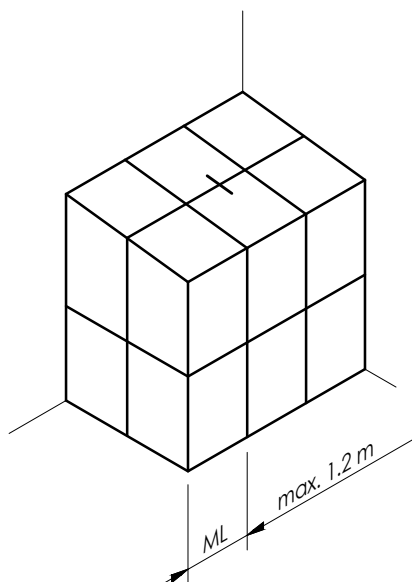
SL	SG
●	



SL	SG
●	



SL	SG
●	



Il vetrocamera da impiegare in questa soluzione dovrà avere le lastre molate a filo.

La composizione dovrà essere eseguita utilizzando, per la sigillatura perimetrale delle due lastre, un idoneo sigillante siliconico resistente ai raggi UV.

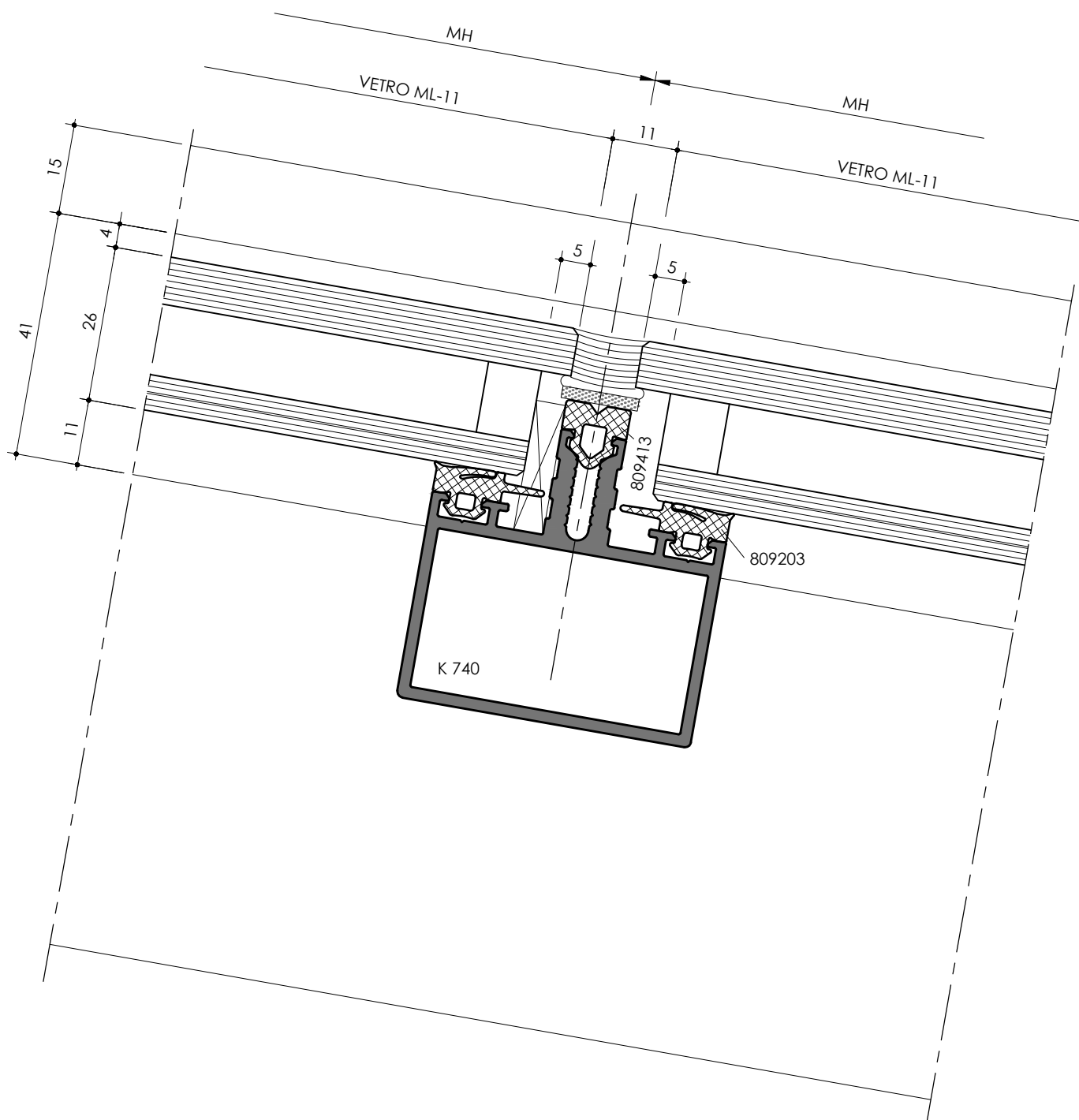
La sigillatura perimetrale tra il vetrocamera e i traversi della struttura dovrà essere eseguita con speciale sigillante siliconico compatibile con il sigillante utilizzato per la composizione del vetrocamera.

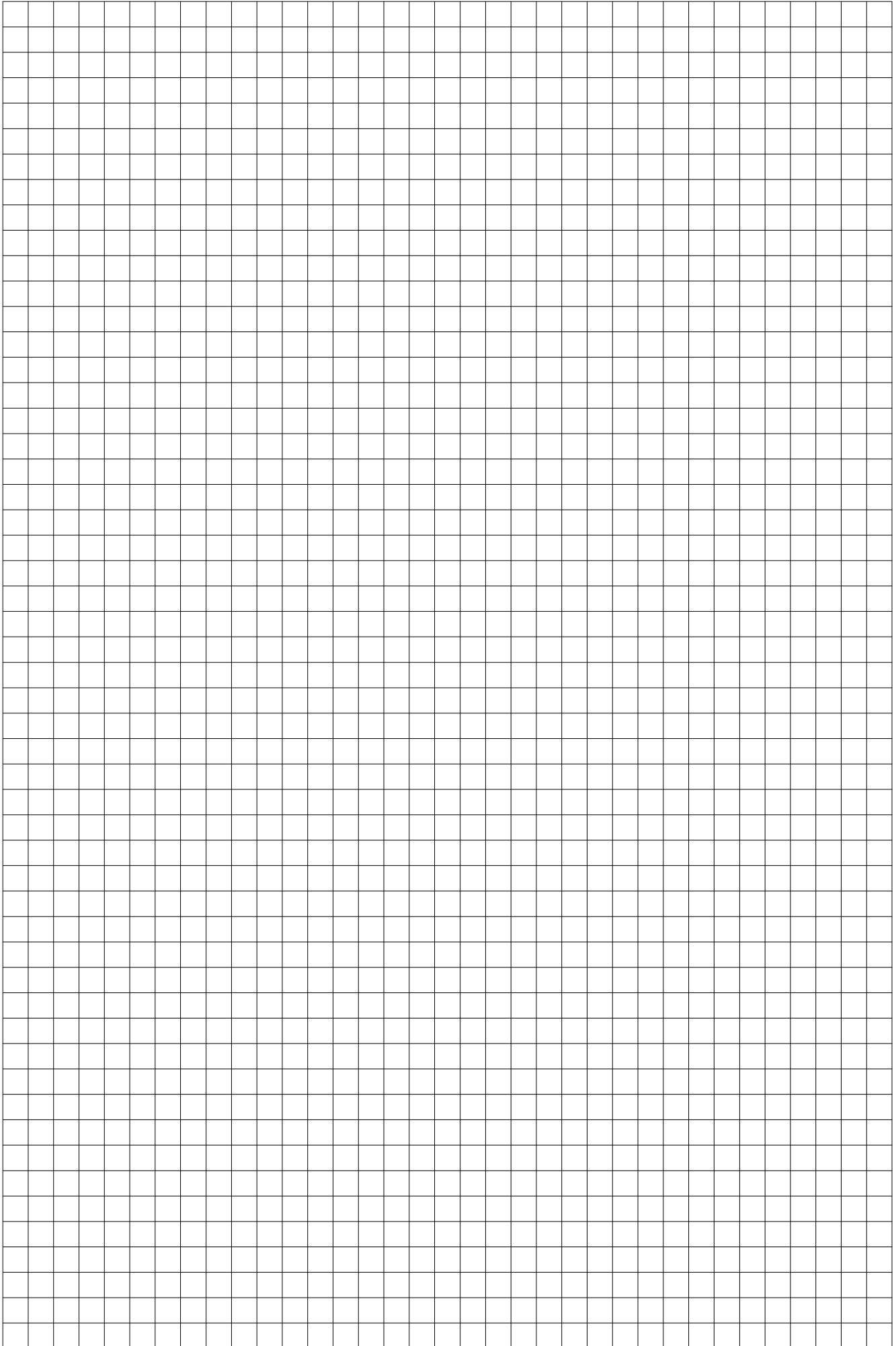
L'applicazione dovrà essere eseguita utilizzando una guarnizione di fondo di giunto in materiale espanso compatibile.

The double-sheet glass to be used for this solution must have flush-polished glass sheets.

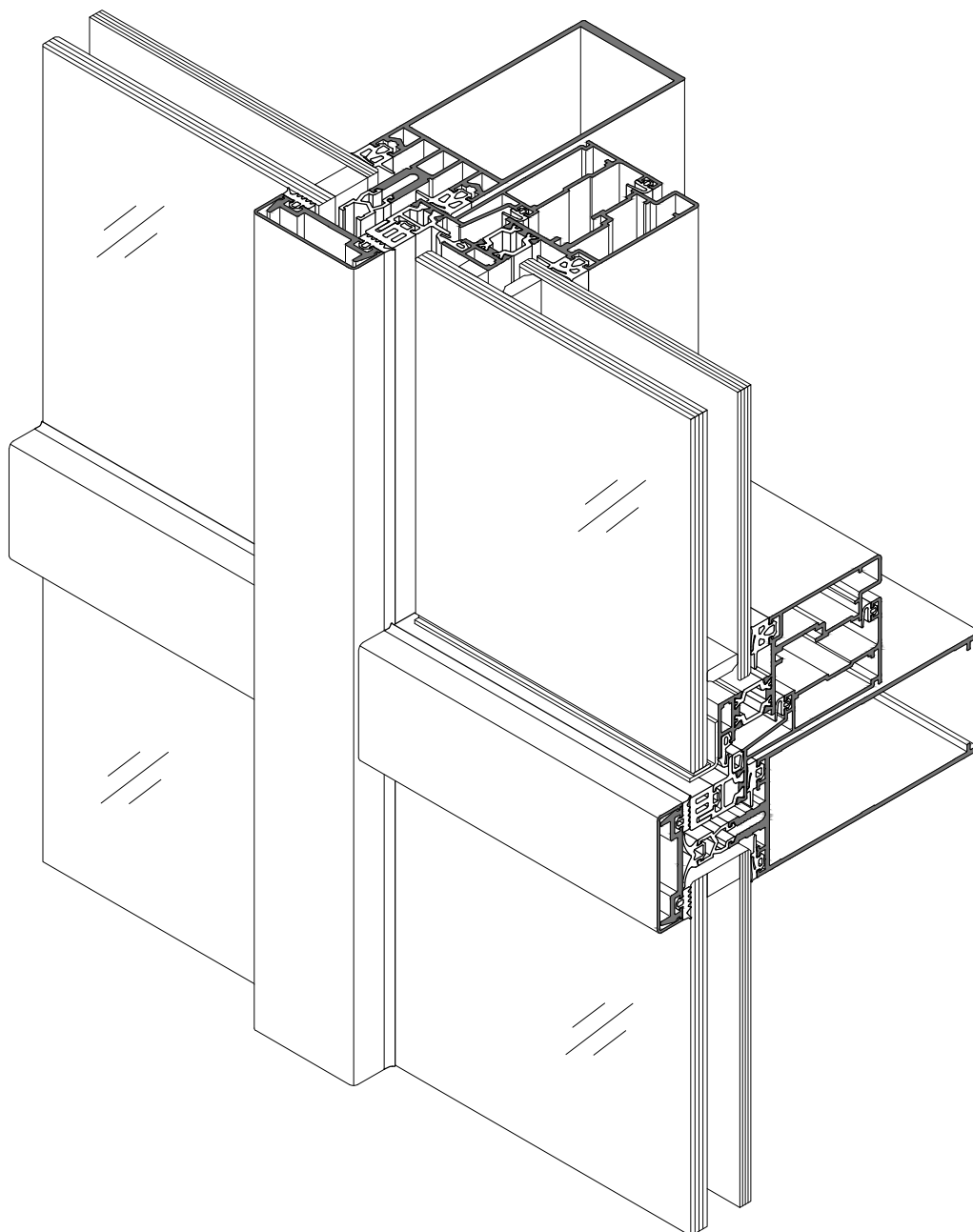
The match-up must be made using, for the perimeter sealing of the two sheets, a suitable UV-resistant silicone-base sealant.

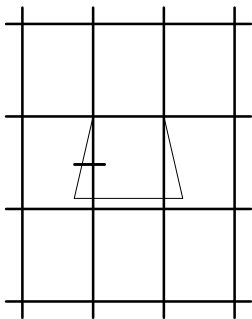
The sealing between the double-sheet glass and the frame braces must be made with a special silicone-base sealant consistent with the sealant used for the match-up of the double-sheet glass. Installation must be made using a suitable joint-bottom gasket made of compatible foam material.





ELEMENTI APRIBILI
OPENABLE PARTS



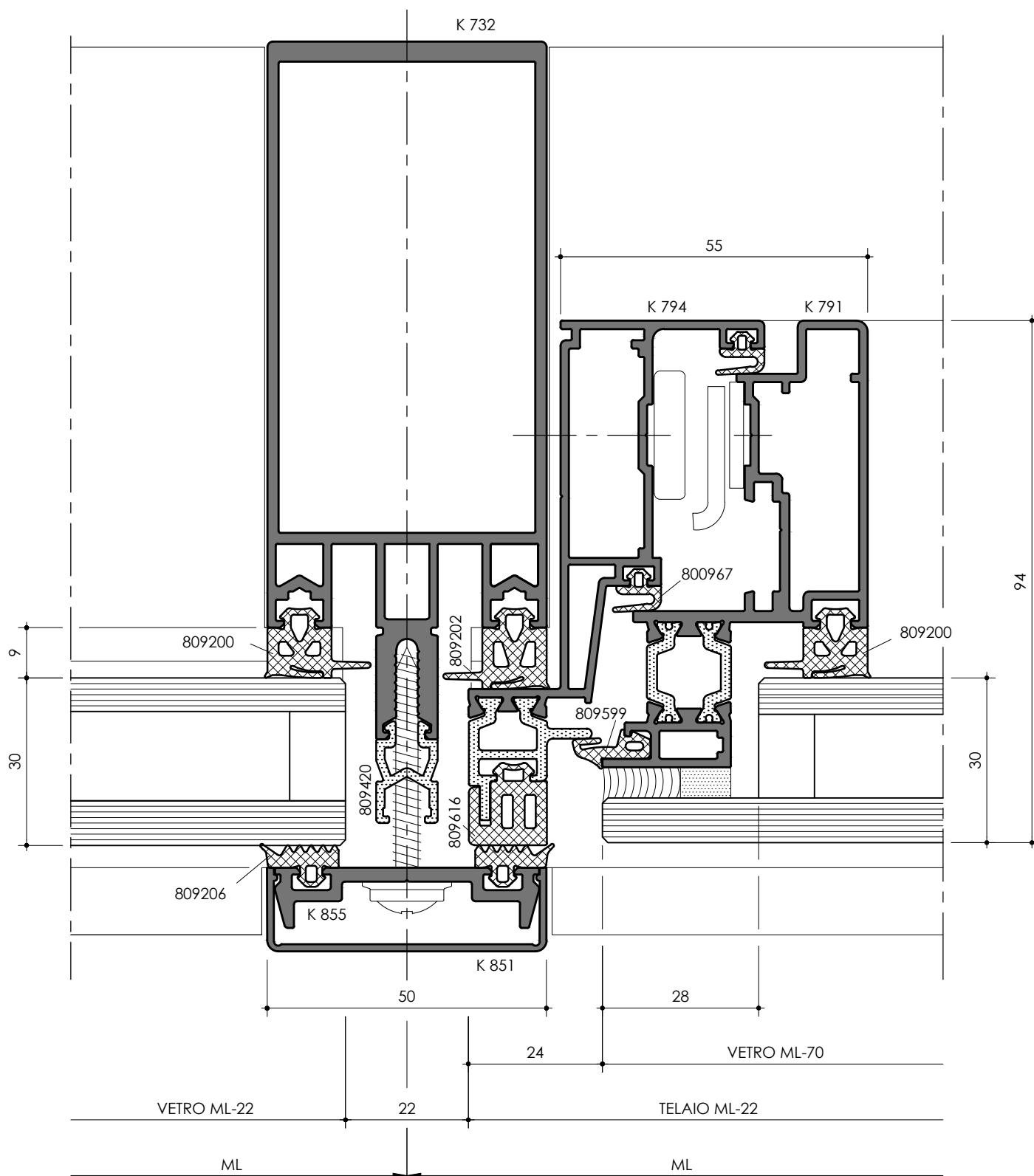
**ALUK**

SL50 - SG50

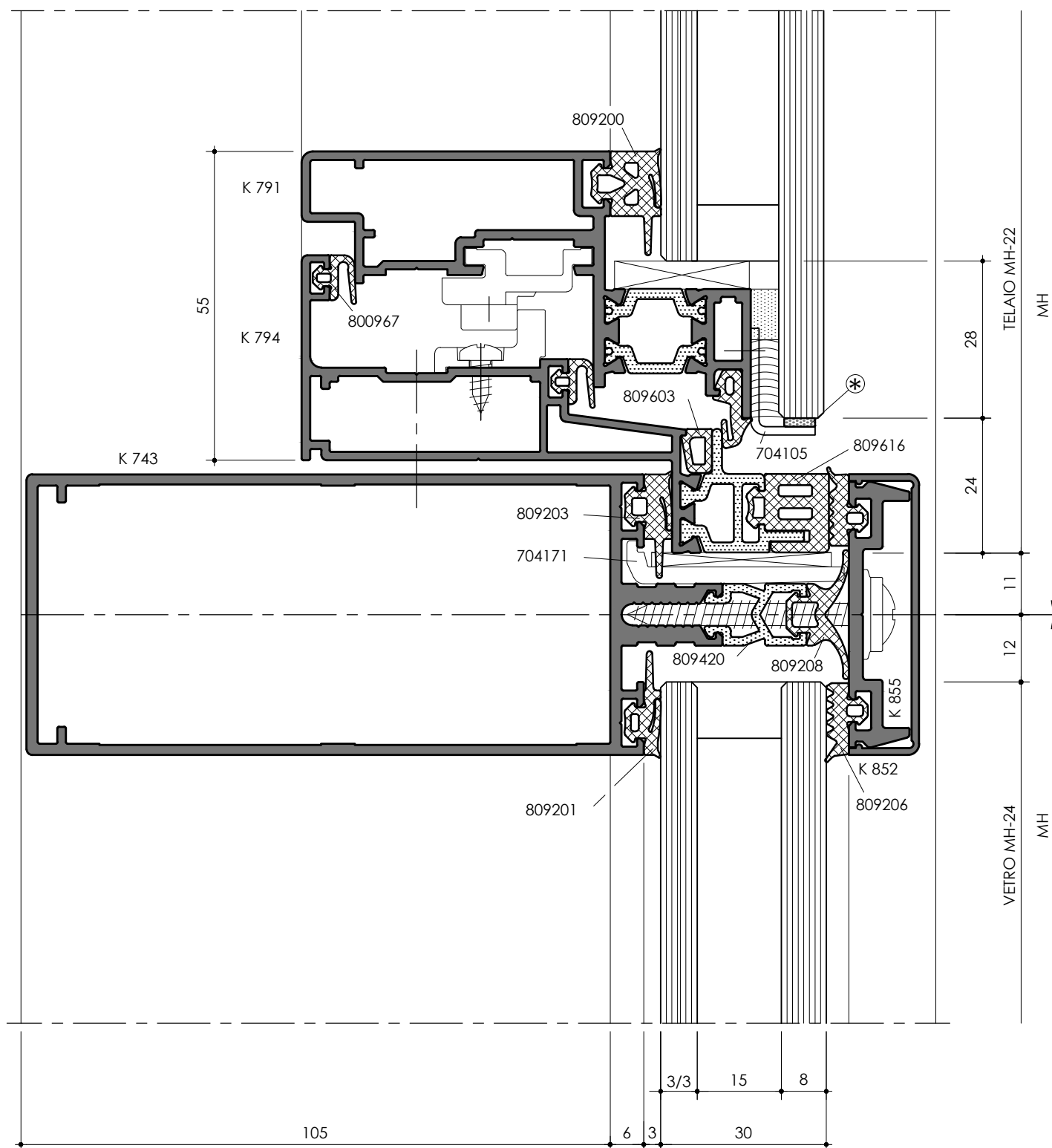
6.42

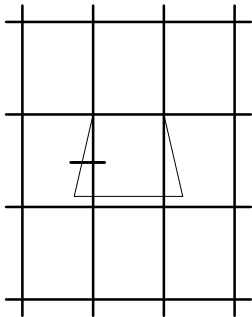
GIUGNO 2021

SL	SG
●	



SL	SG
●	



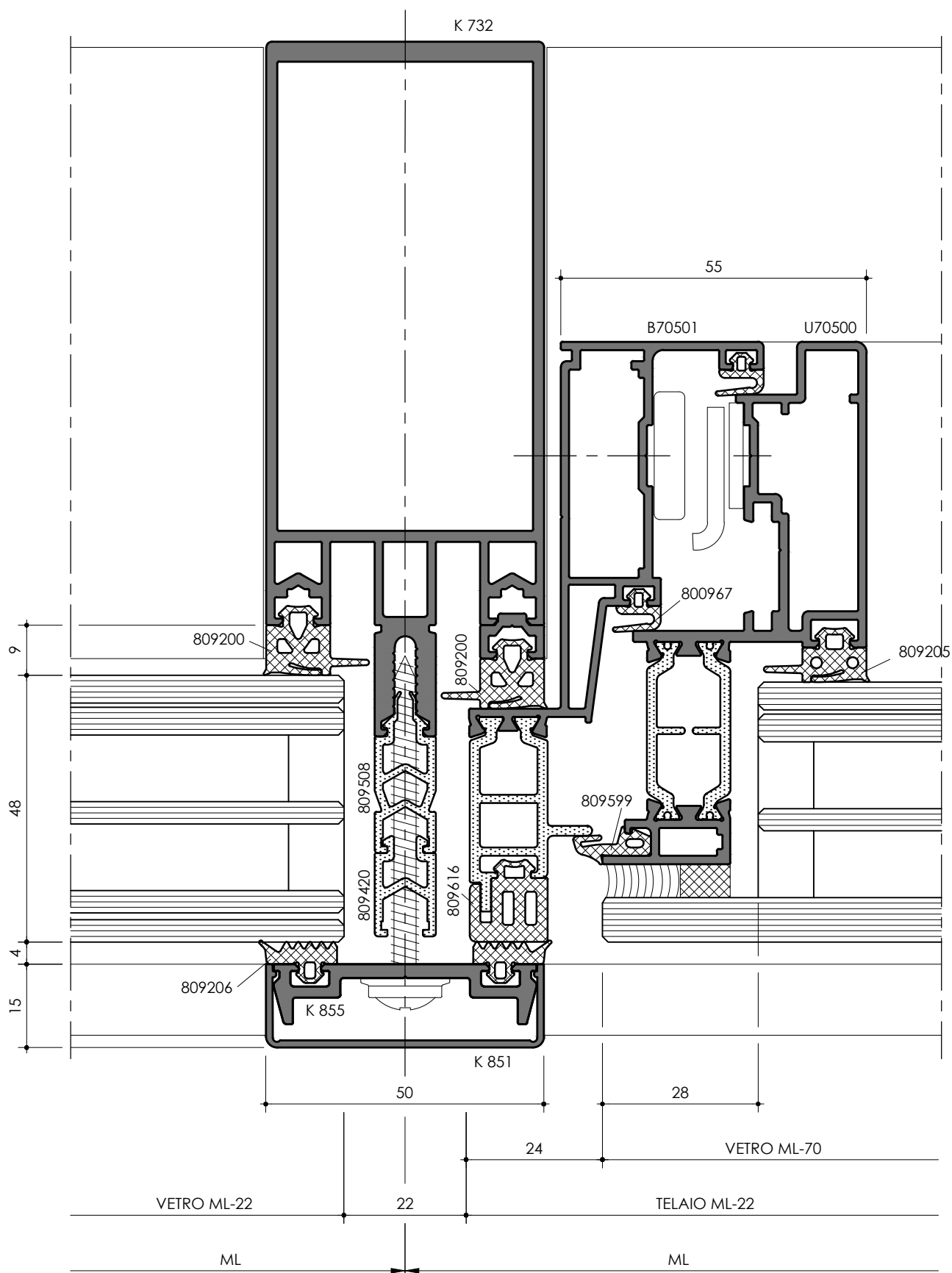
**ALUK**

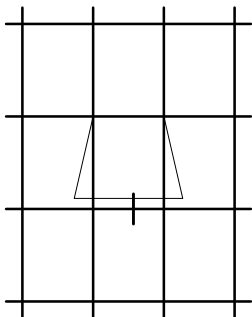
SL50 - SG50

6.44

GIUGNO 2021

SL	SG
●	





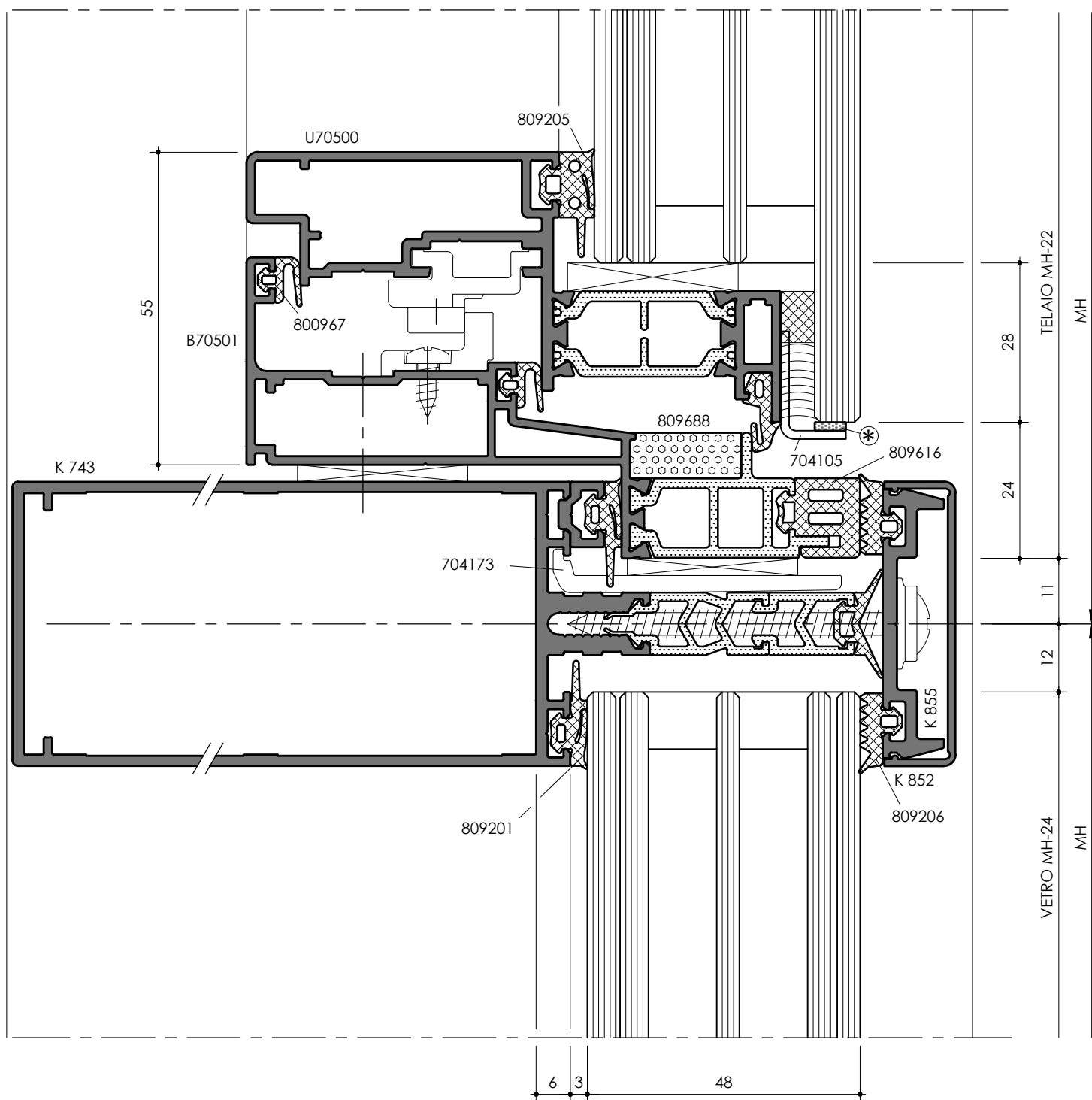
ALUK

SL50 - SG50

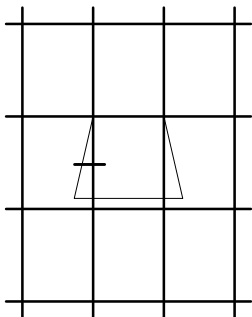
6.45

GIUGNO 2021

SL	SG
●	



* NON FORNITO DA ALUK
NOT SUPPLIED BY ALUK

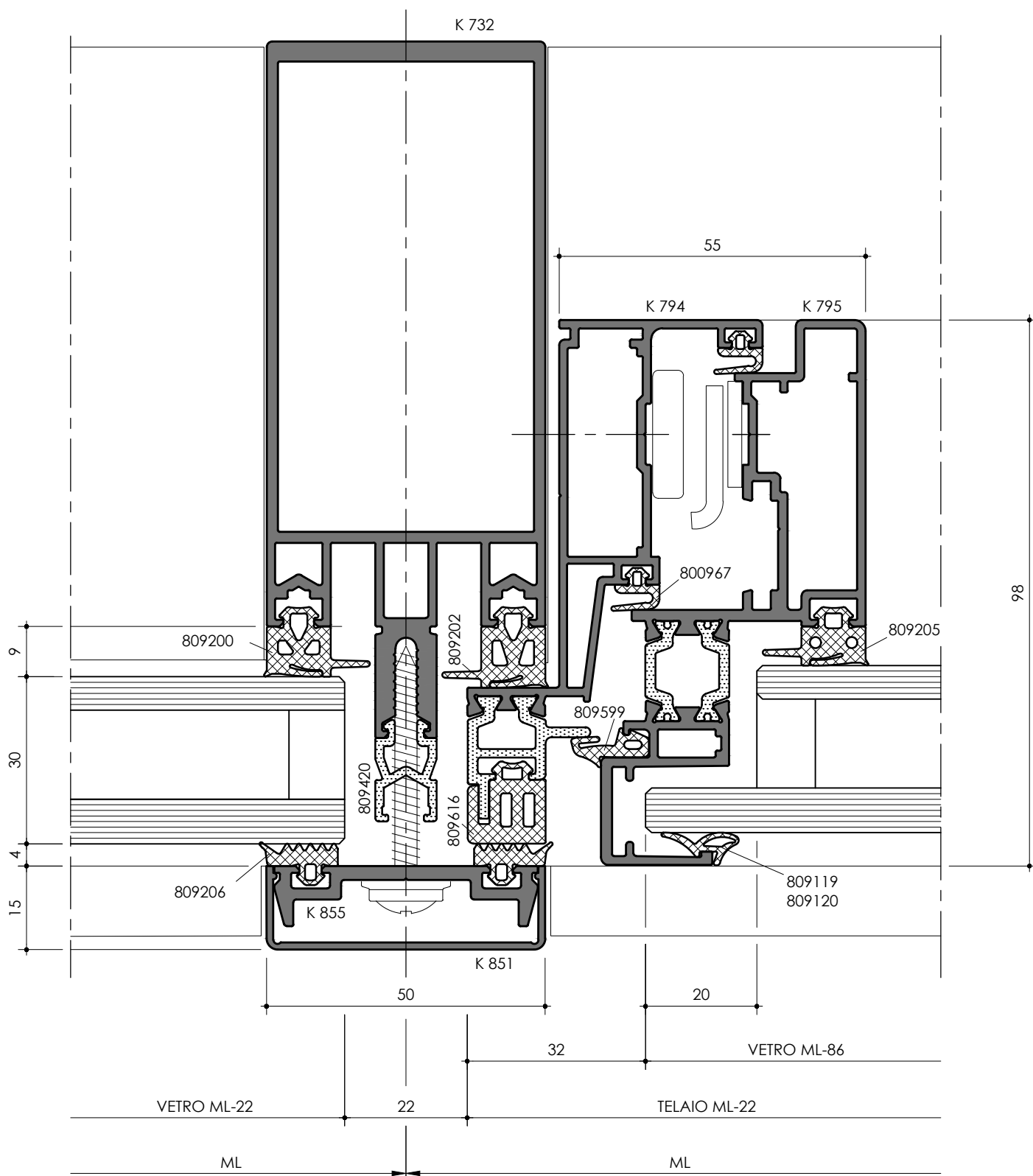
**ALUK**

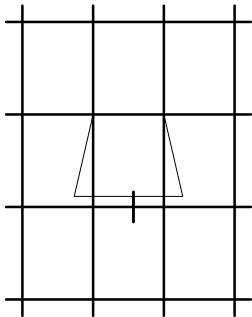
SL50 - SG50

6.46

GIUGNO 2021

SL	SG
●	



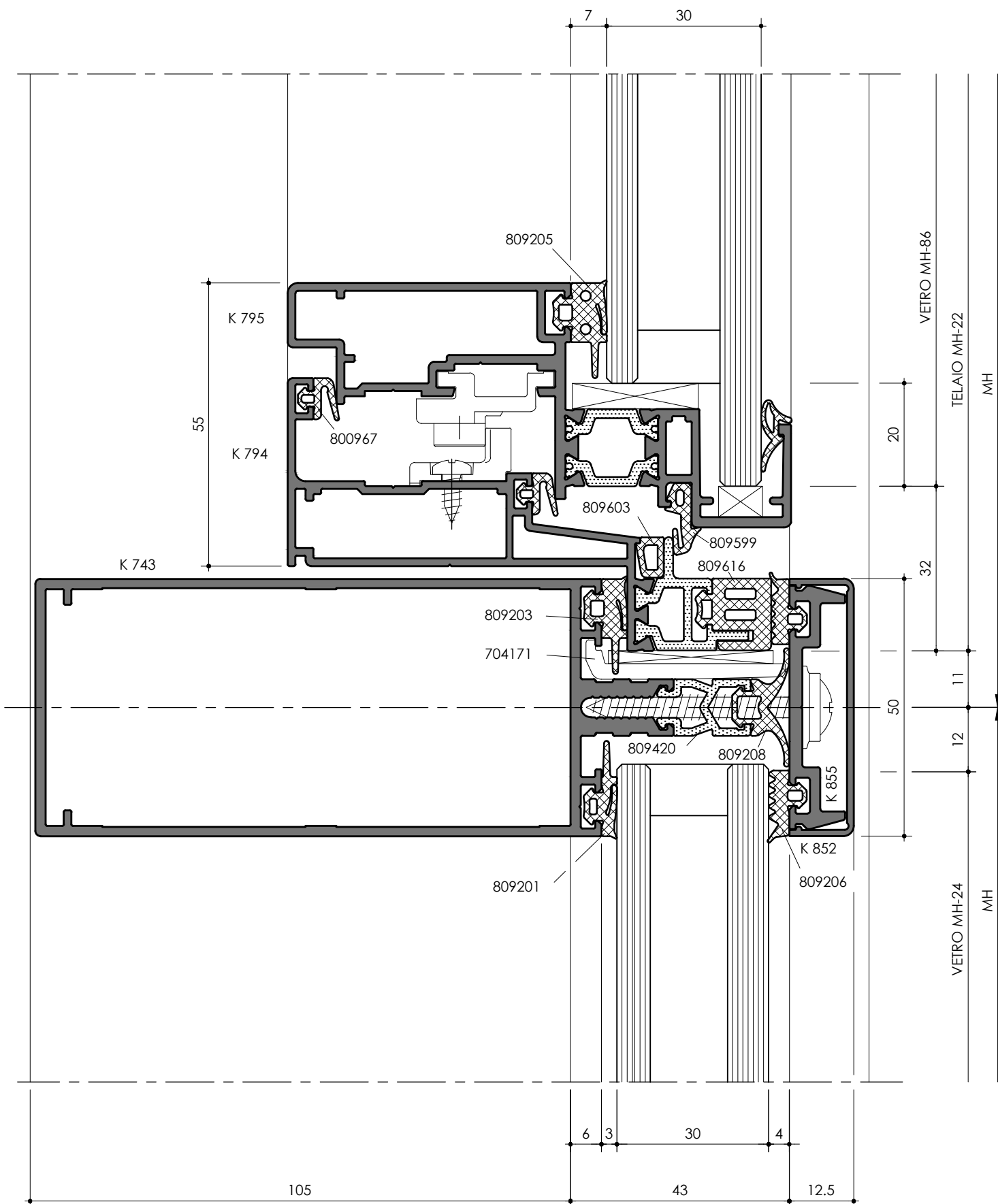
**ALUK**

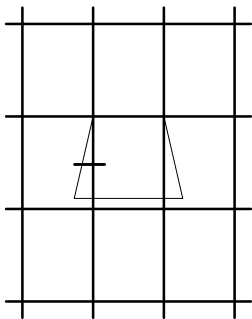
SL50 - SG50

6.47

GIUGNO 2021

SL	SG
●	



**ALUK**

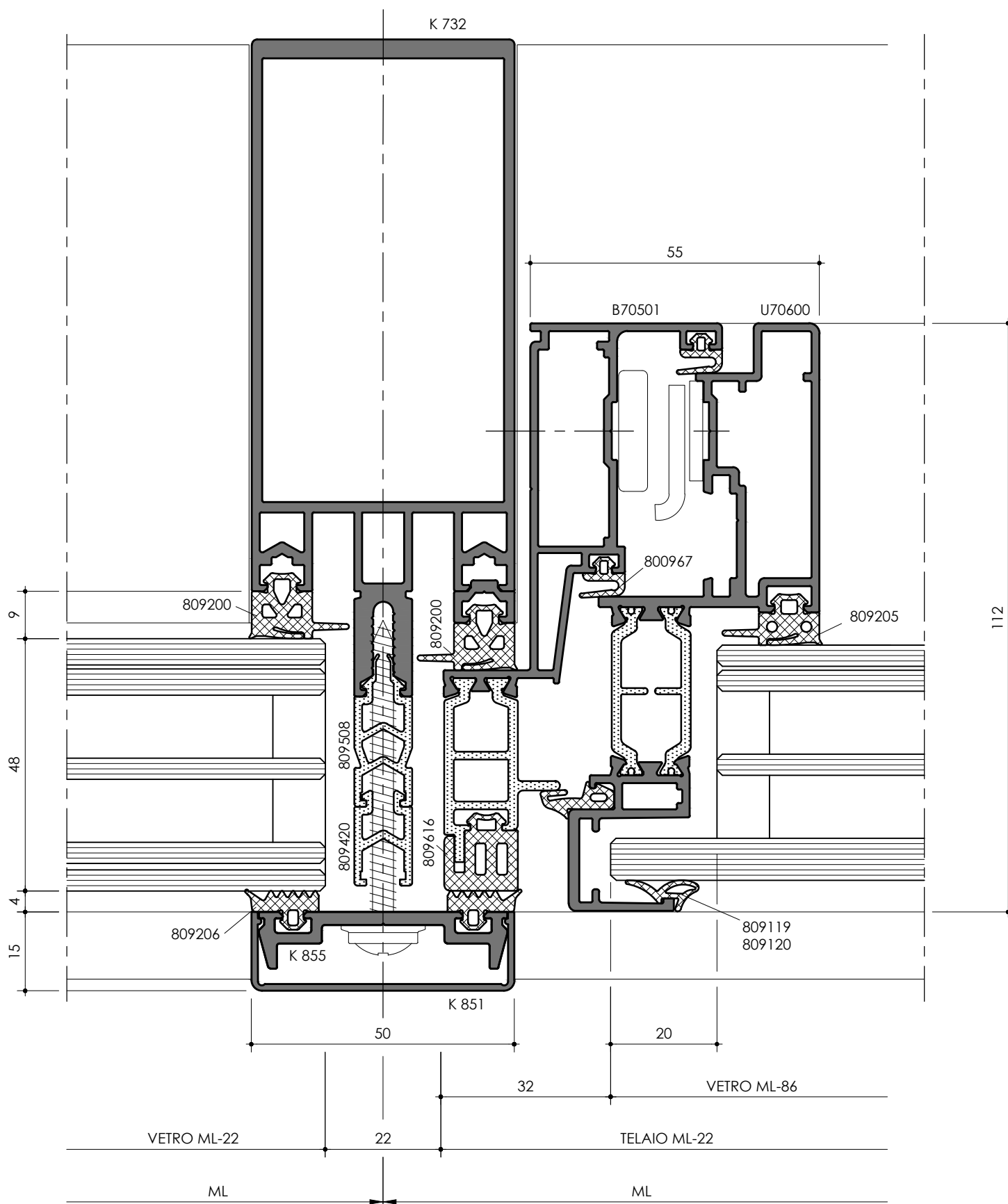
SL50 - SG50

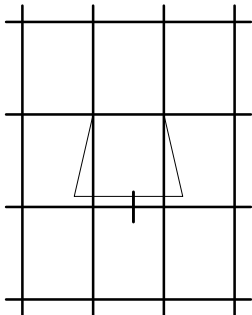
6.48

GIUGNO 2021

SL	SG
●	

Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not recommended



**ALUK**

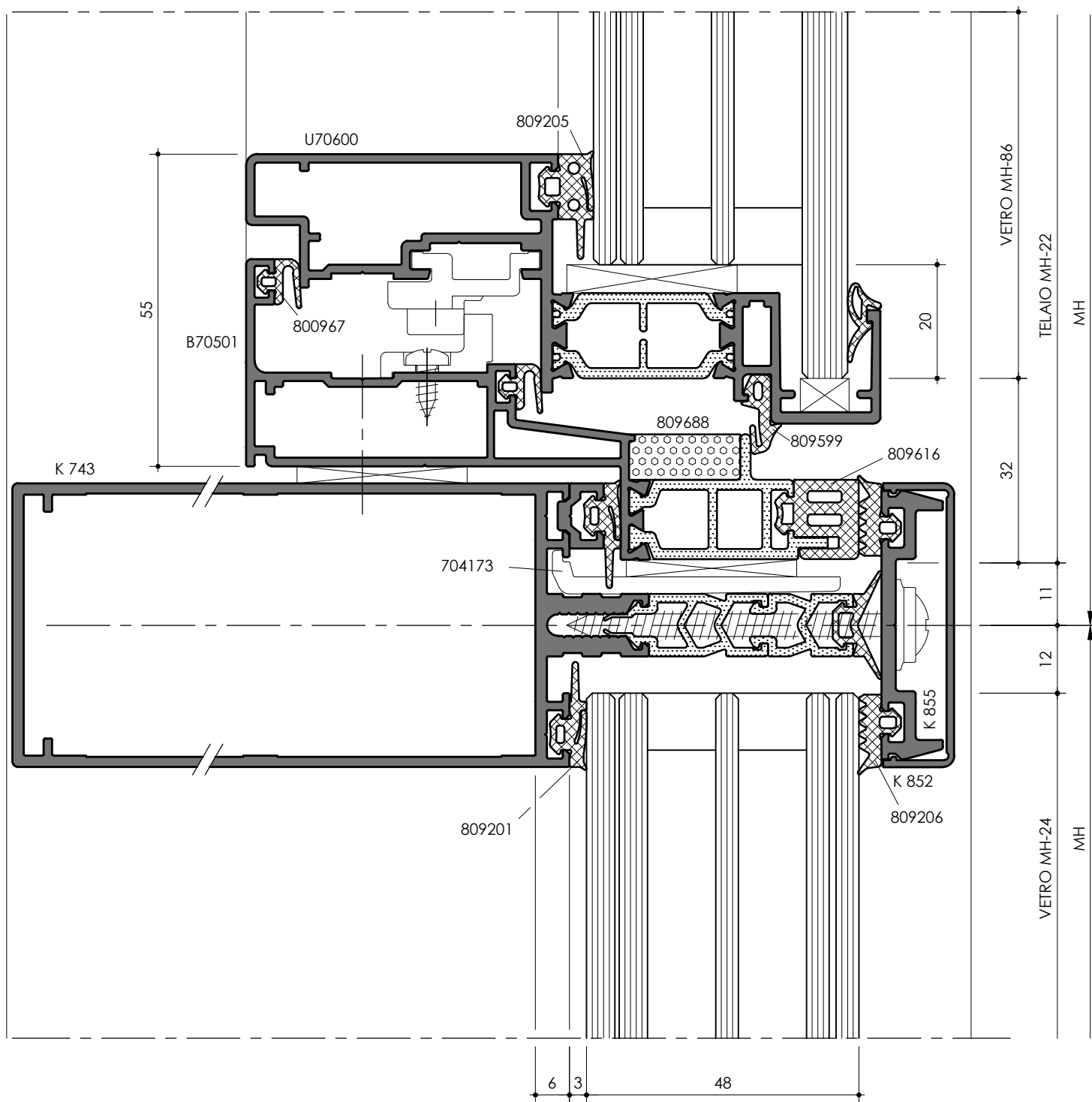
SL50 - SG50

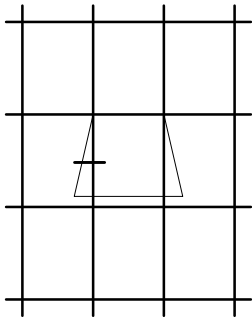
6.49

GIUGNO 2021

SL	SG
●	

Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not recommended



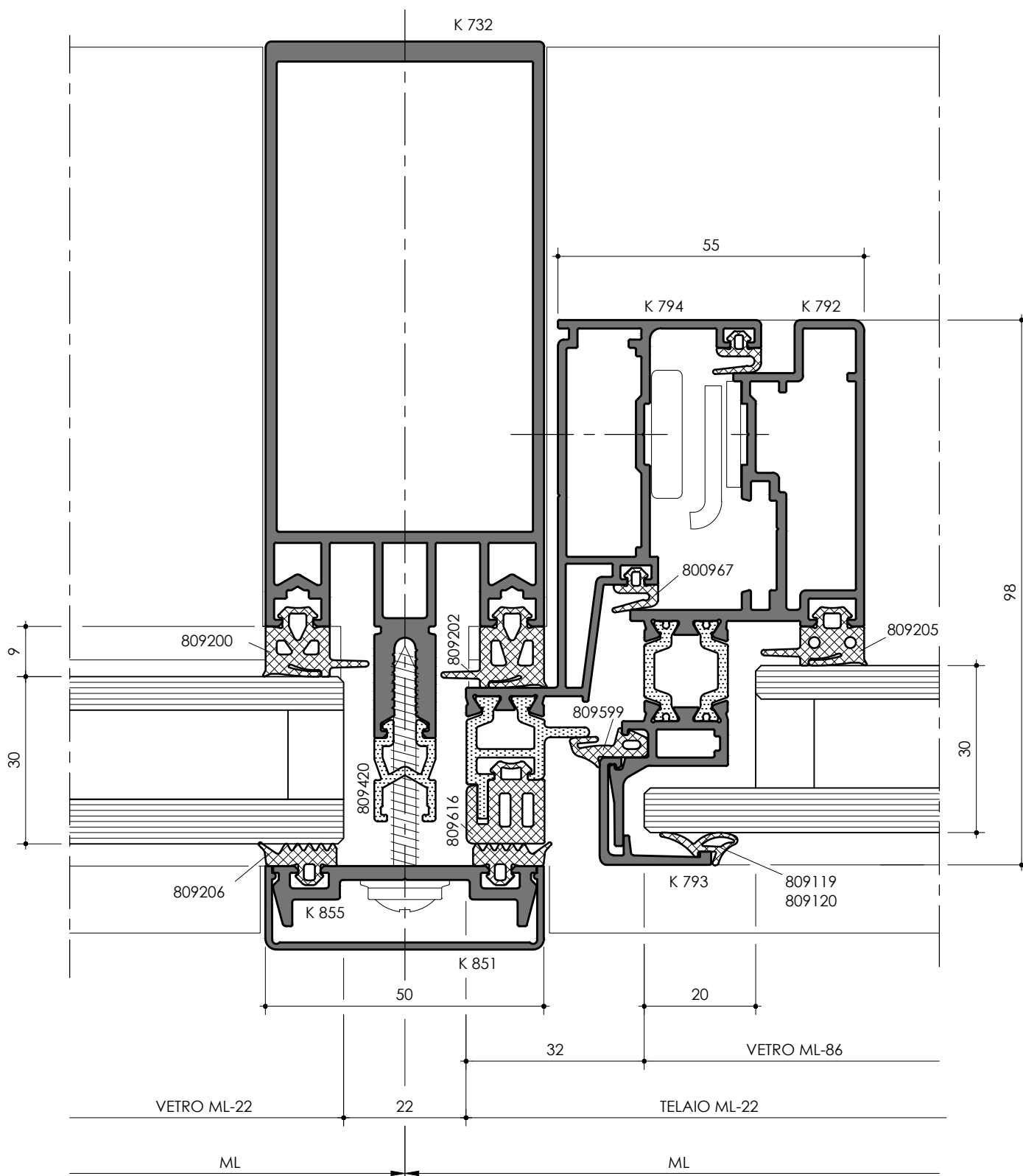
**ALUK**

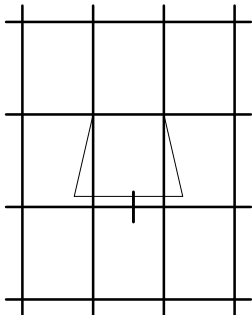
SL50 - SG50

6.50

GIUGNO 2021

SL	SG
●	



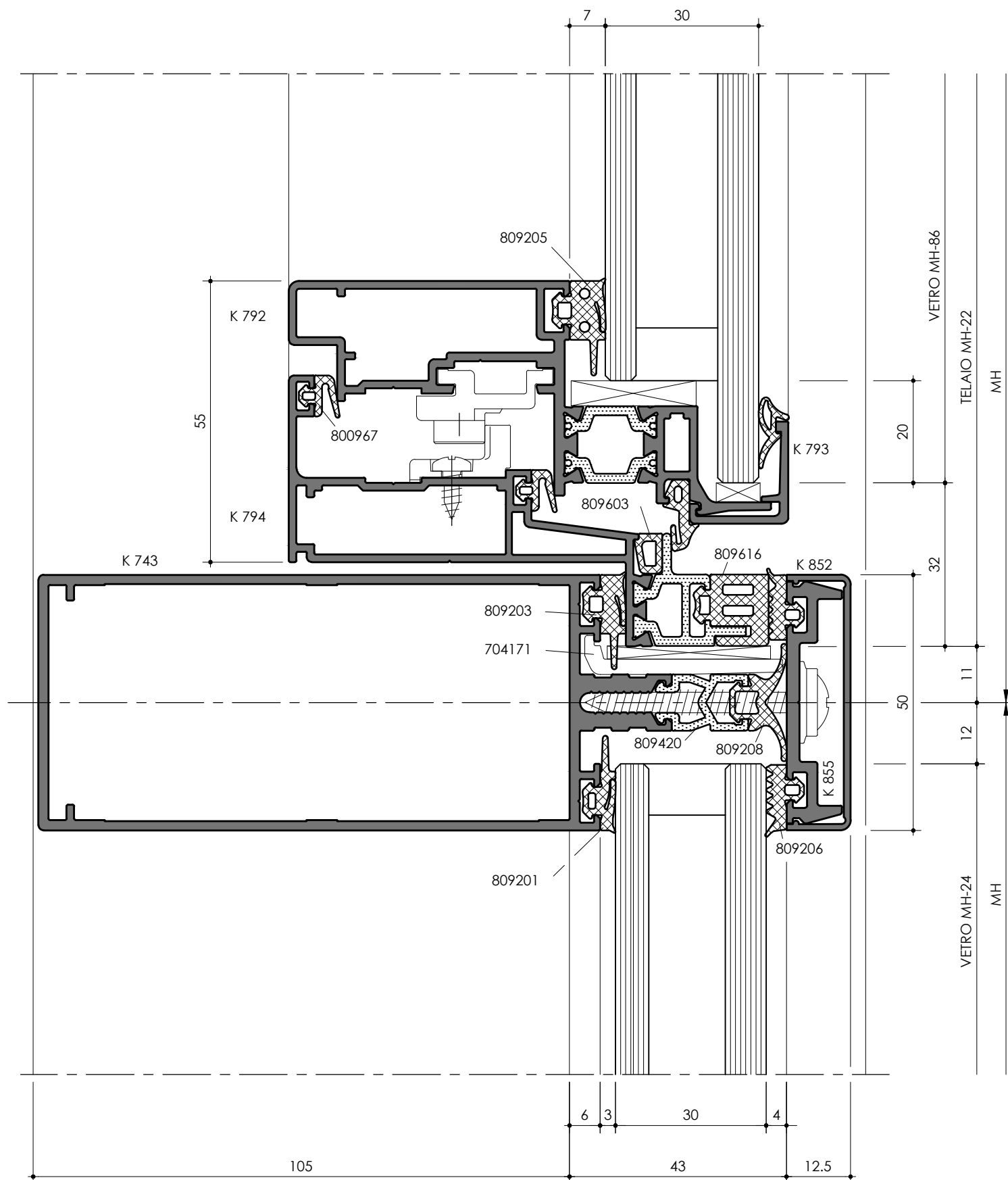
**ALUK**

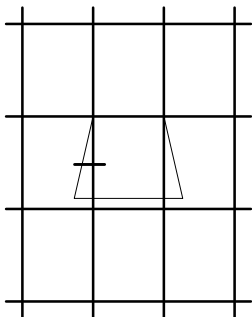
SL50 - SG50

6.51

GIUGNO 2021

SL	SG
●	





ALUK

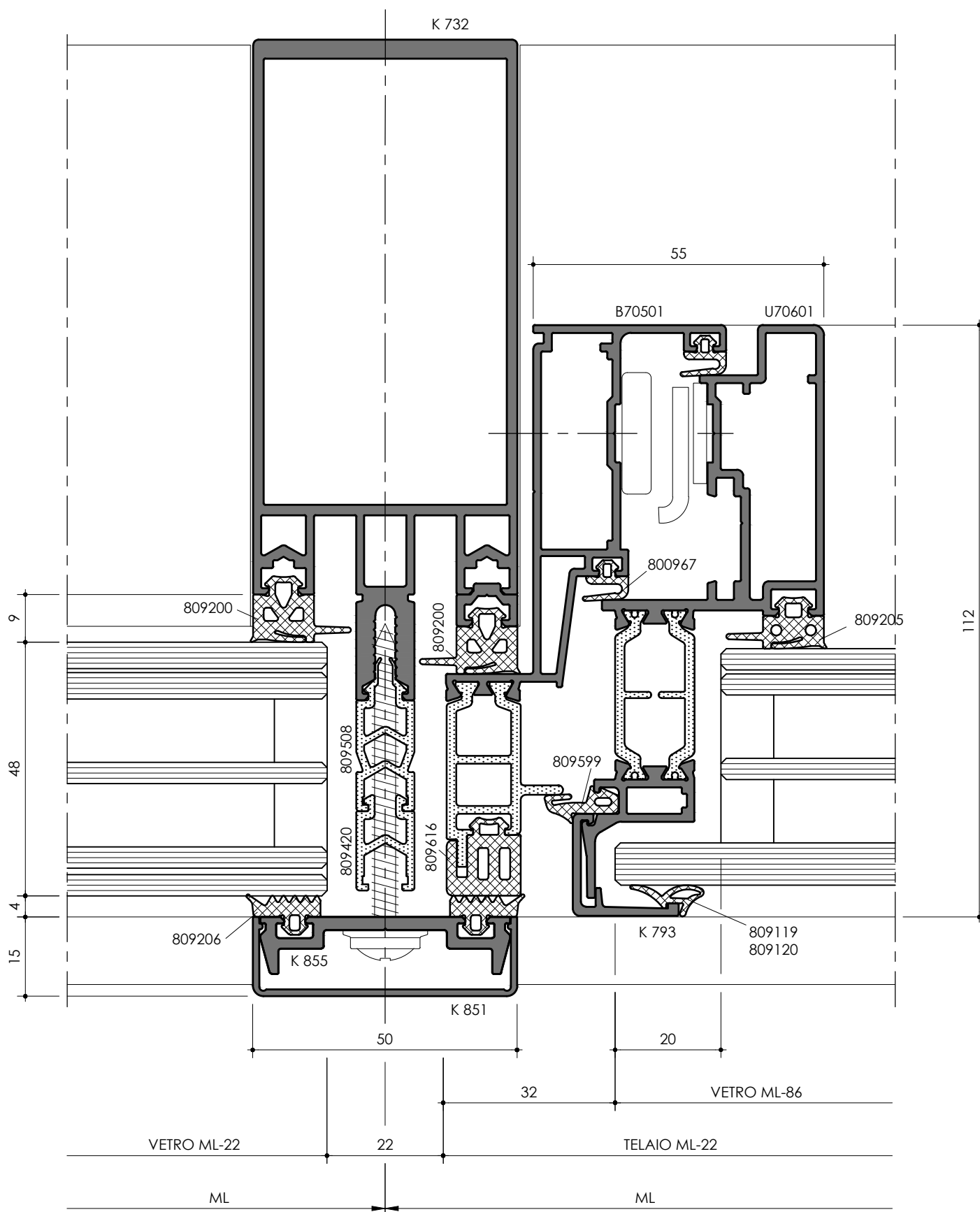
SL50 - SG50

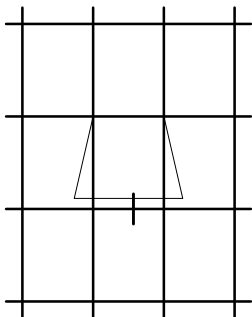
6.52

GIUGNO 2021

SL	SG
●	

Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not recommended





ALUK

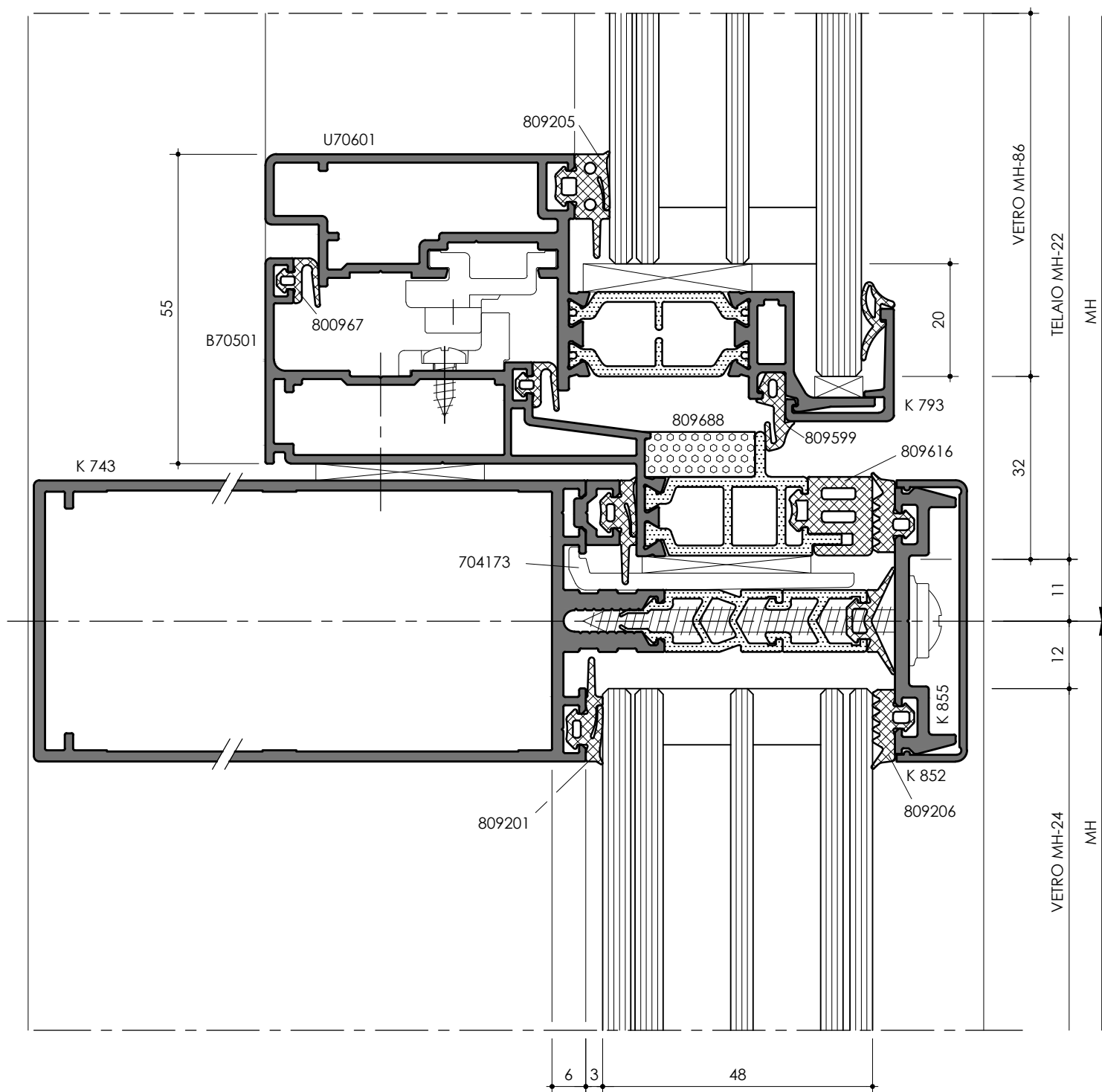
SL50 - SG50

6.53

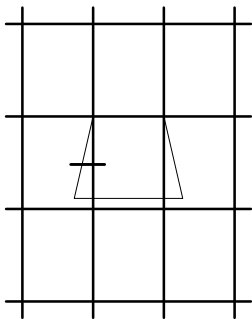
GIUGNO 2021

SL	SG
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Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not recommended



* NON FORNITO DA ALUK
 NOT SUPPLIED BY ALUK

**ALUK**

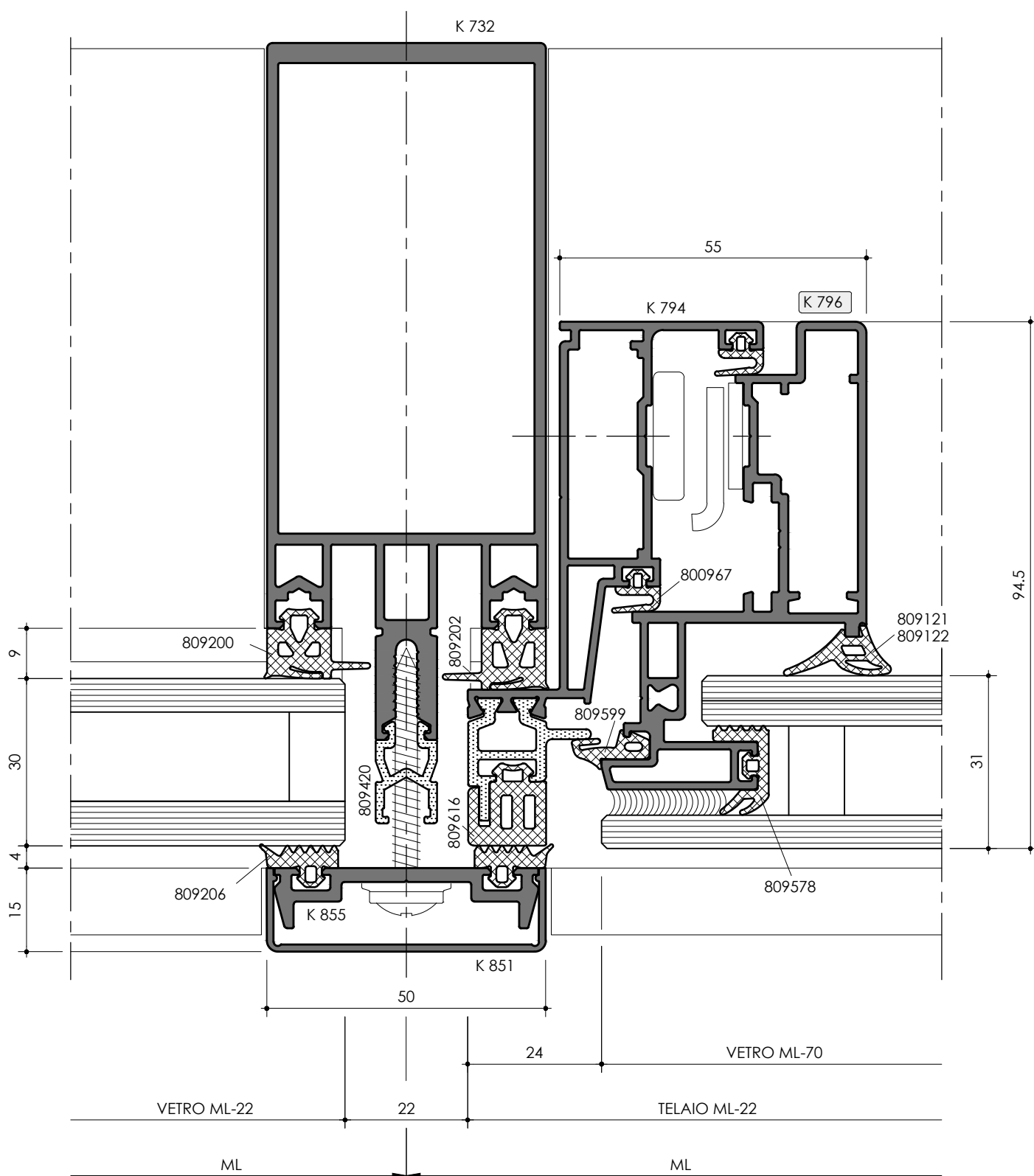
SL50 - SG50

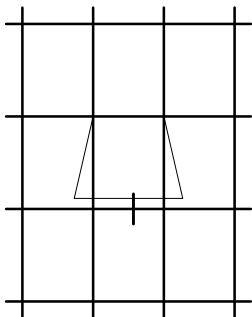
6.54

GIUGNO 2021

SL	SG
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A RICHIESTA
AVAILABLE ON REQUEST





ALUK

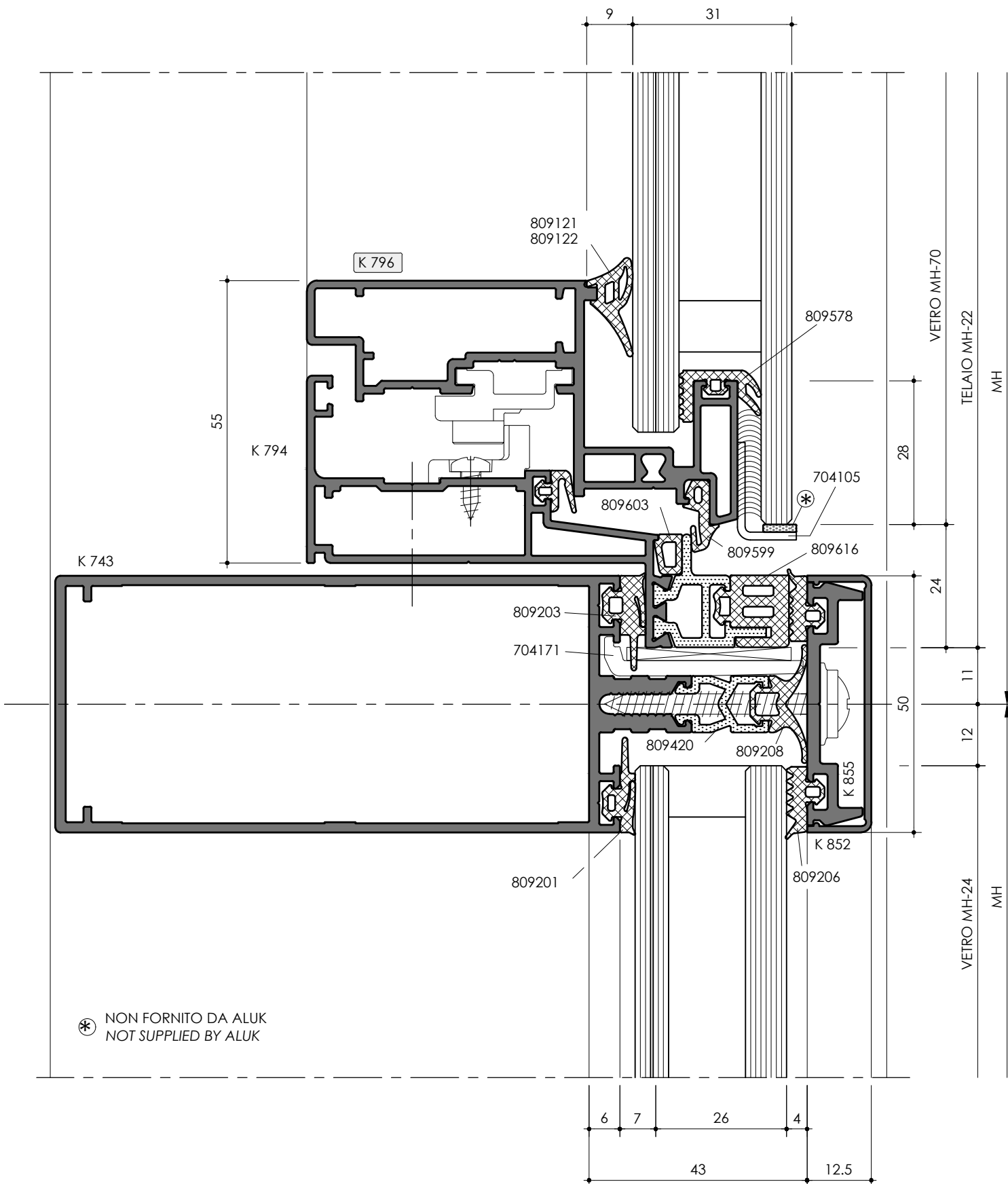
SL50 - SG50

6.55

GIUGNO 2021

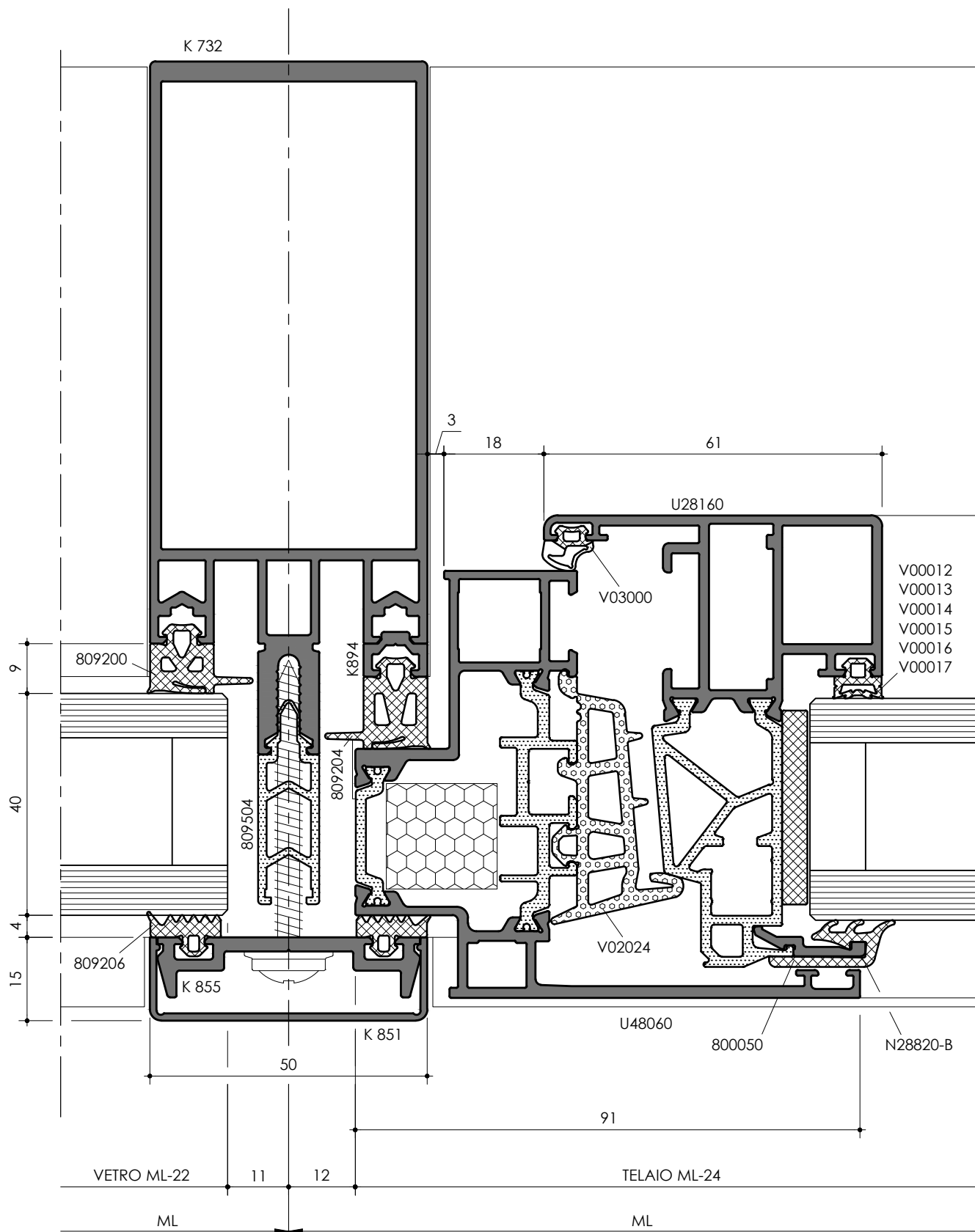
SL	SG
●	

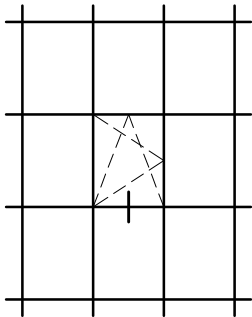
A RICHIESTA
AVAILABLE ON REQUEST



SL	SG
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PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K-CS**
FOR WINDOWS MACHININGS **SEE ALUK C77K-CS CATALOGUE**





ALUK

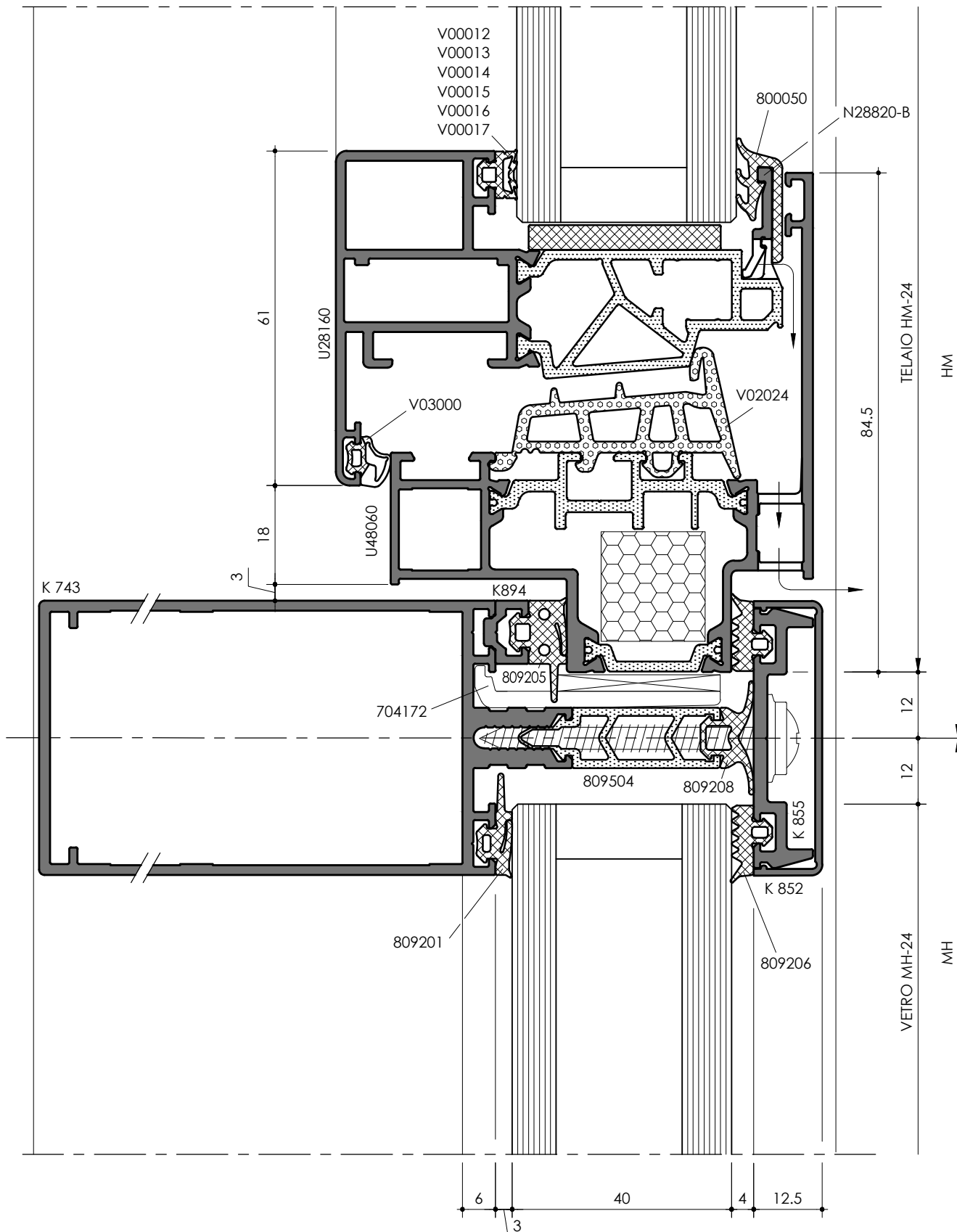
SL50 - SG50

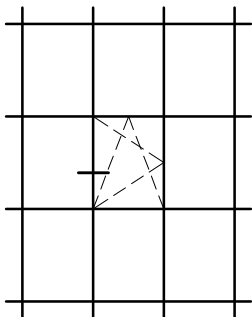
6.57

GIUGNO 2021

SL	SG
●	

PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K-CS**
FOR WINDOWS MACHININGS **SEE ALUK C77K-CS CATALOGUE**





ALUK

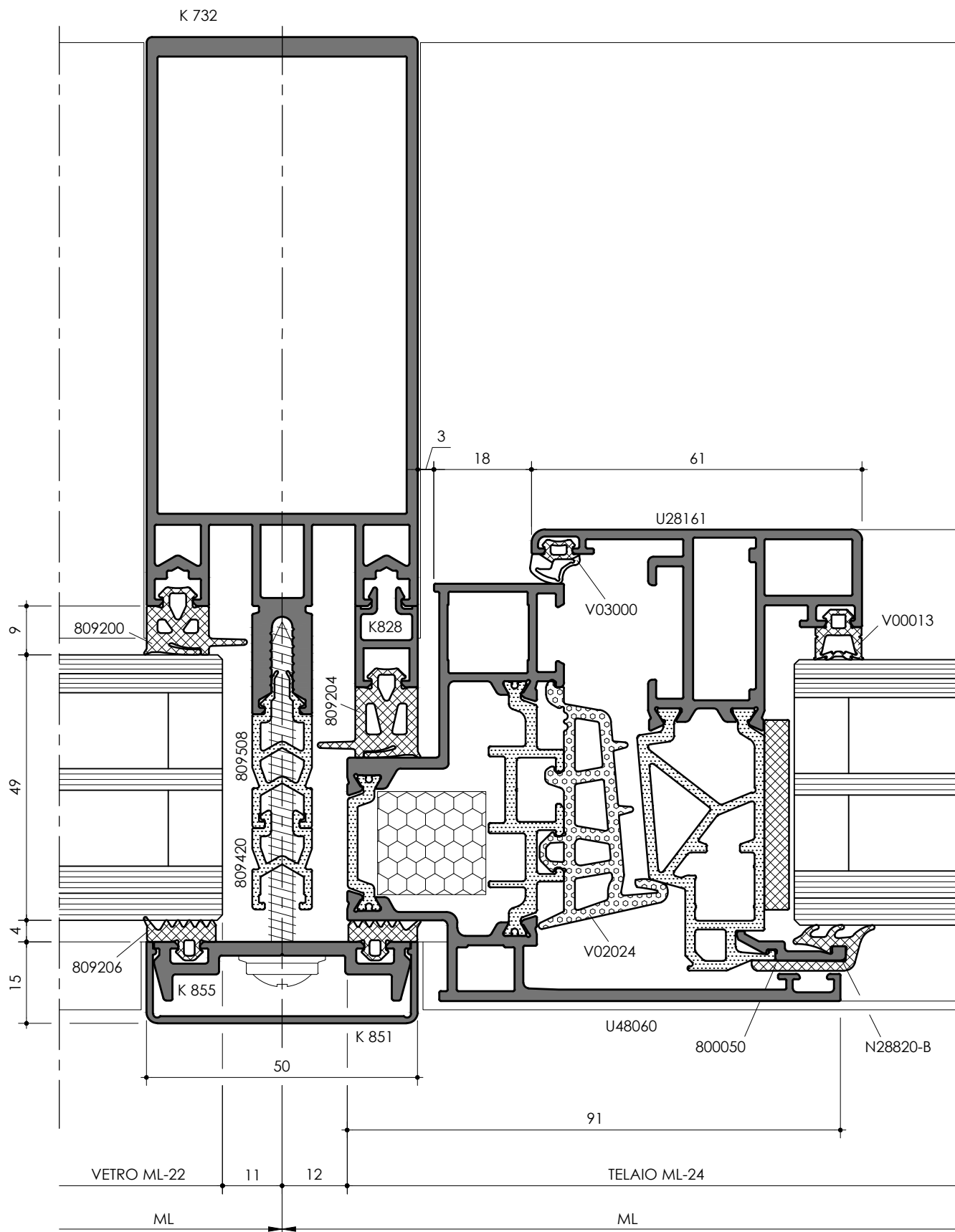
SL50 - SG50

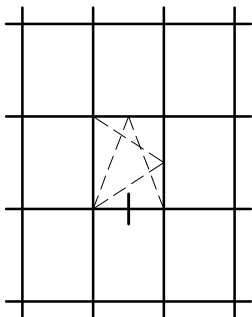
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GIUGNO 2021

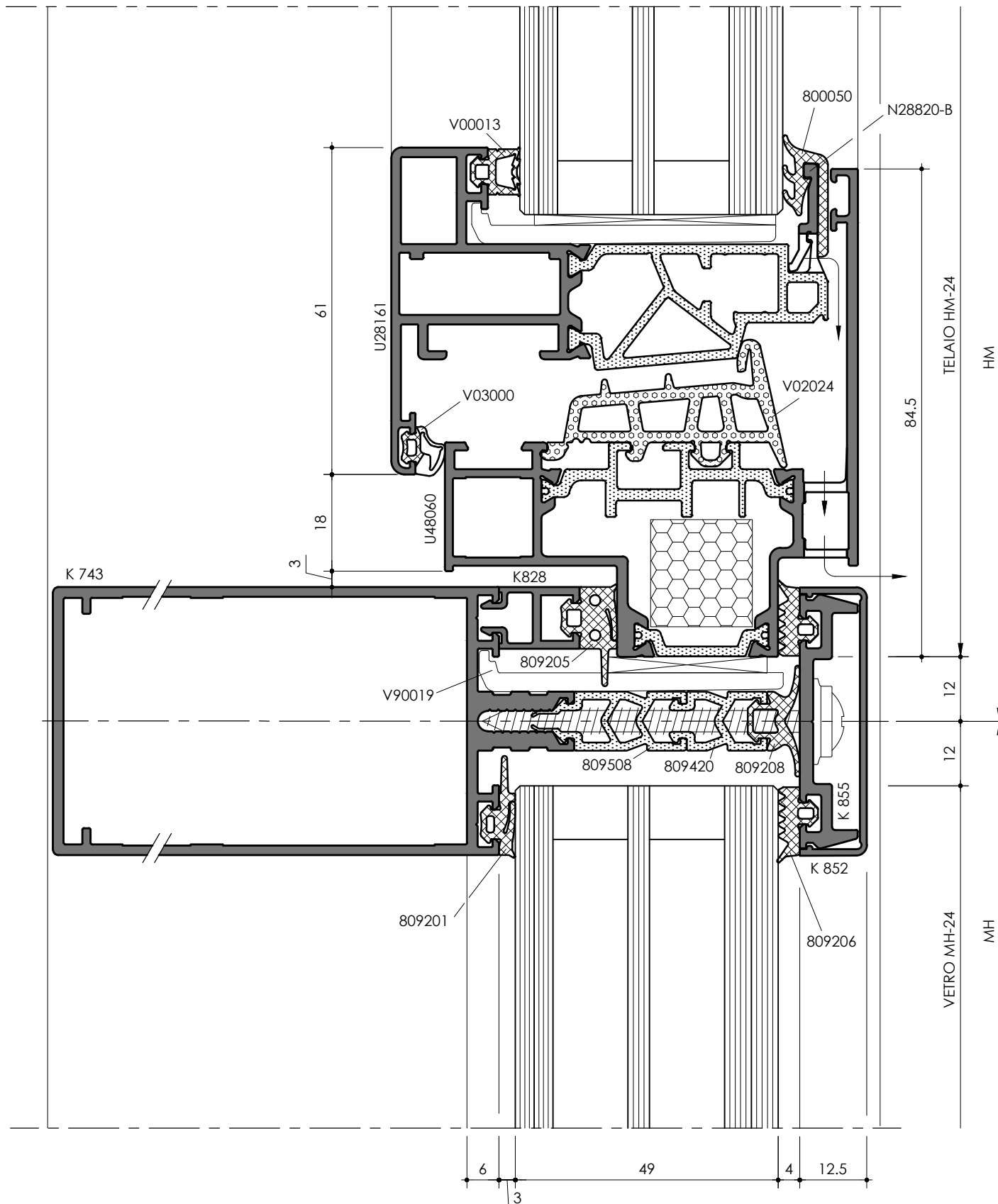
SL	SG
●	

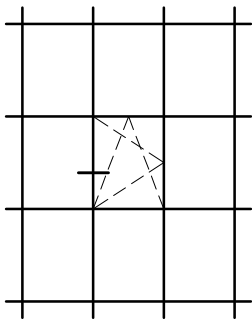
PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K-CS**
FOR WINDOWS MACHININGS **SEE ALUK C77K-CS CATALOGUE**





PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K-CS**
FOR WINDOWS MACHININGS **SEE ALUK C77K-CS CATALOGUE**



**ALUK**

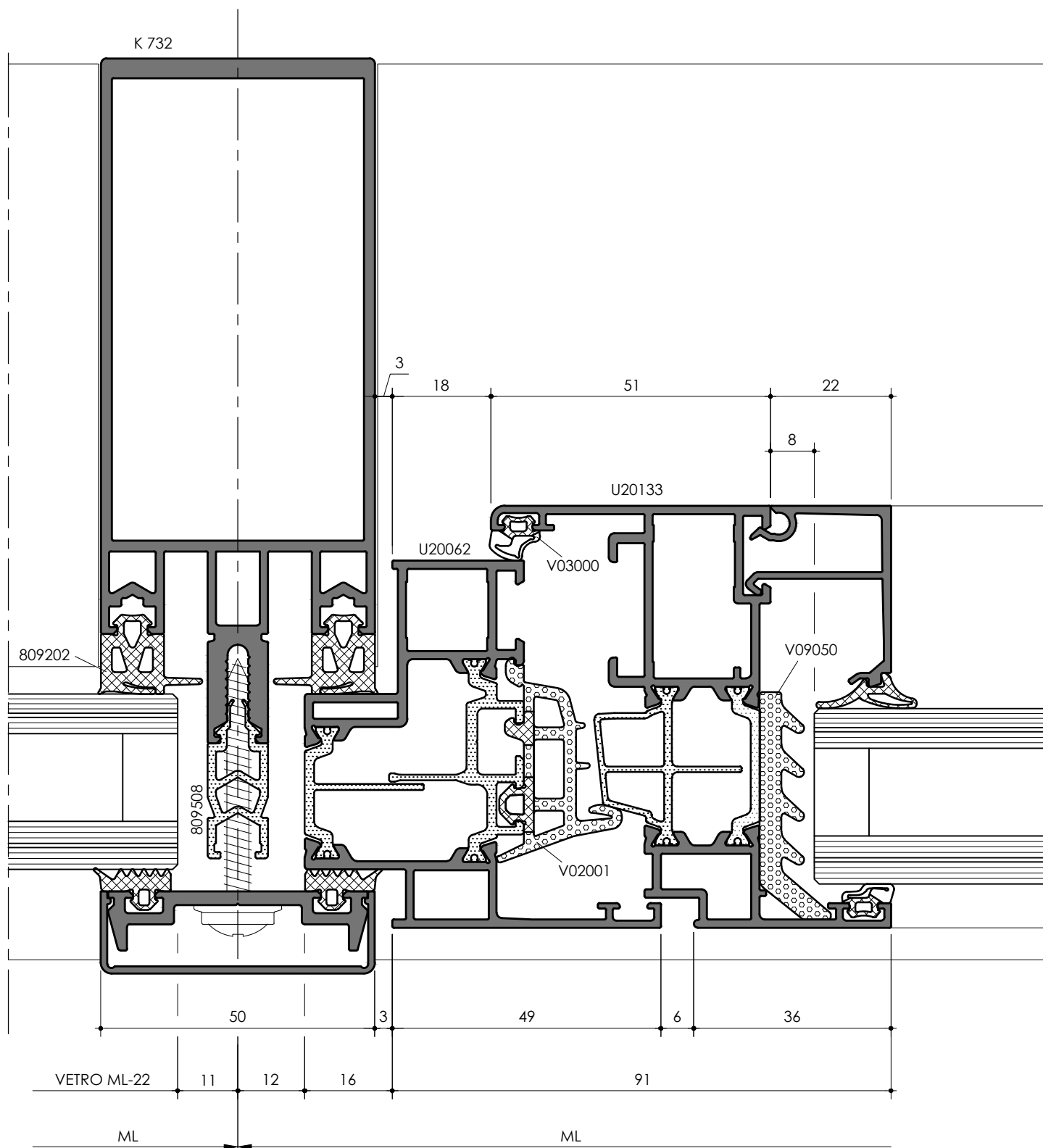
SL50 - SG50

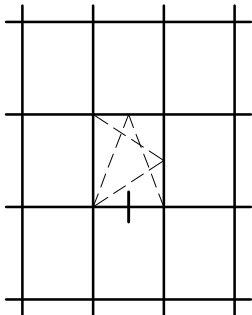
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NOVEMBRE 2024

SL	SG
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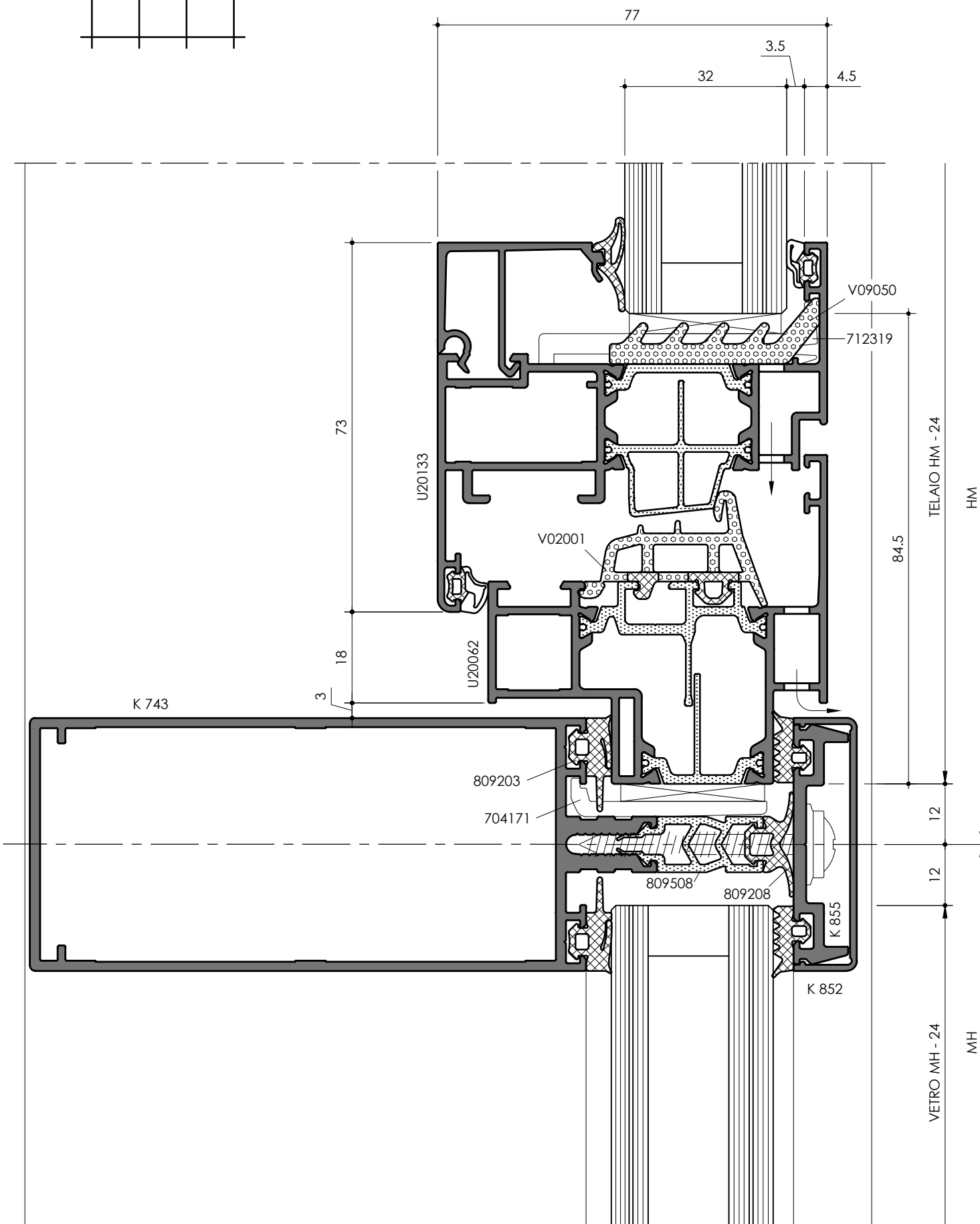
PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C67K**
FOR WINDOWS MACHININGS **SEE ALUK C67K CATALOGUE**

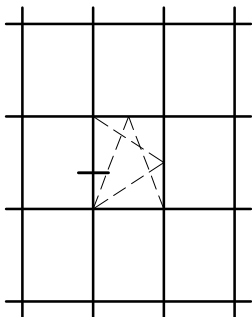




SL	SG
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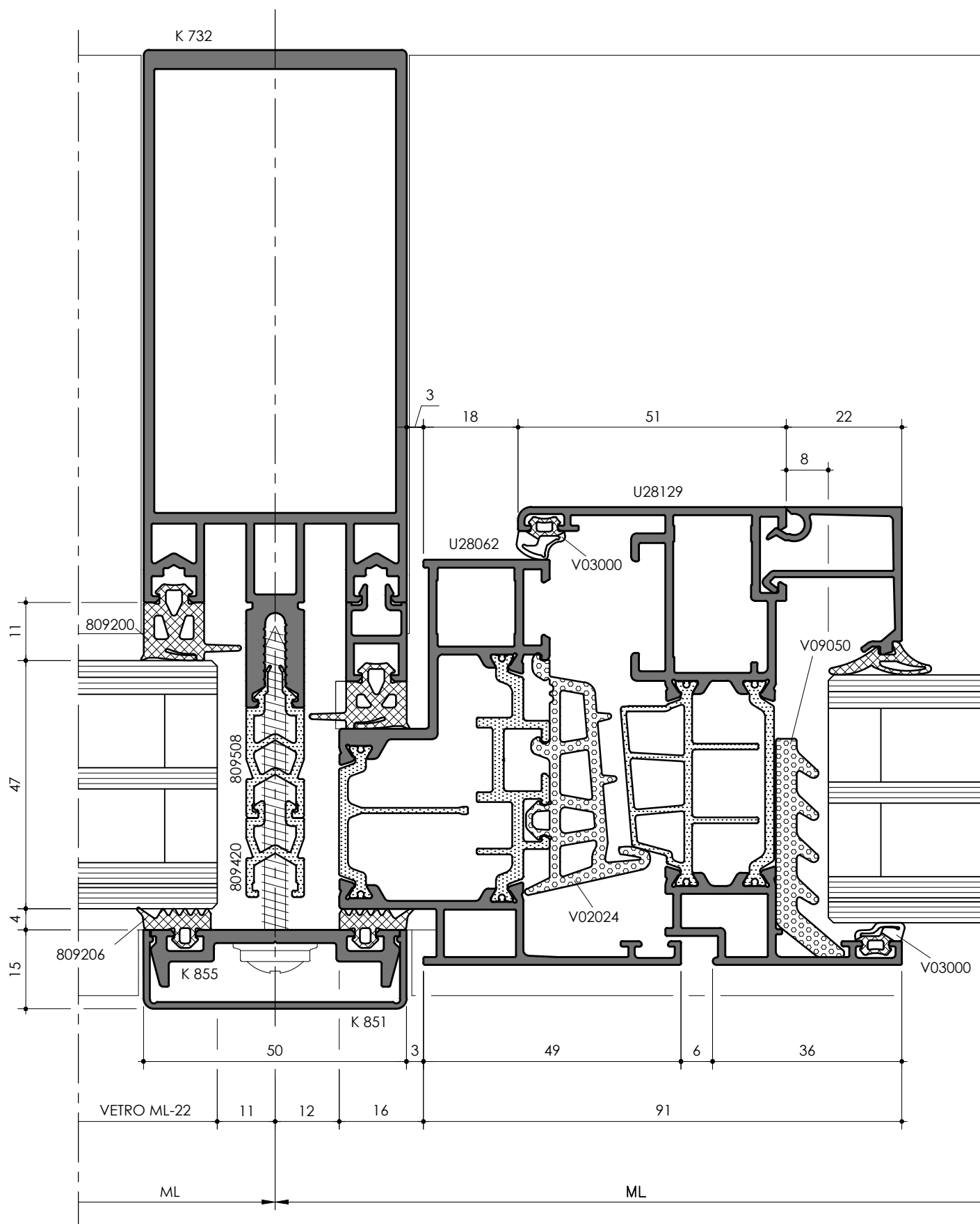
PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C67K**
FOR WINDOWS MACHININGS **SEE ALUK C67K CATALOGUE**

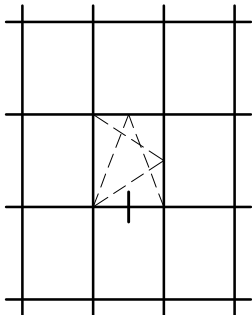




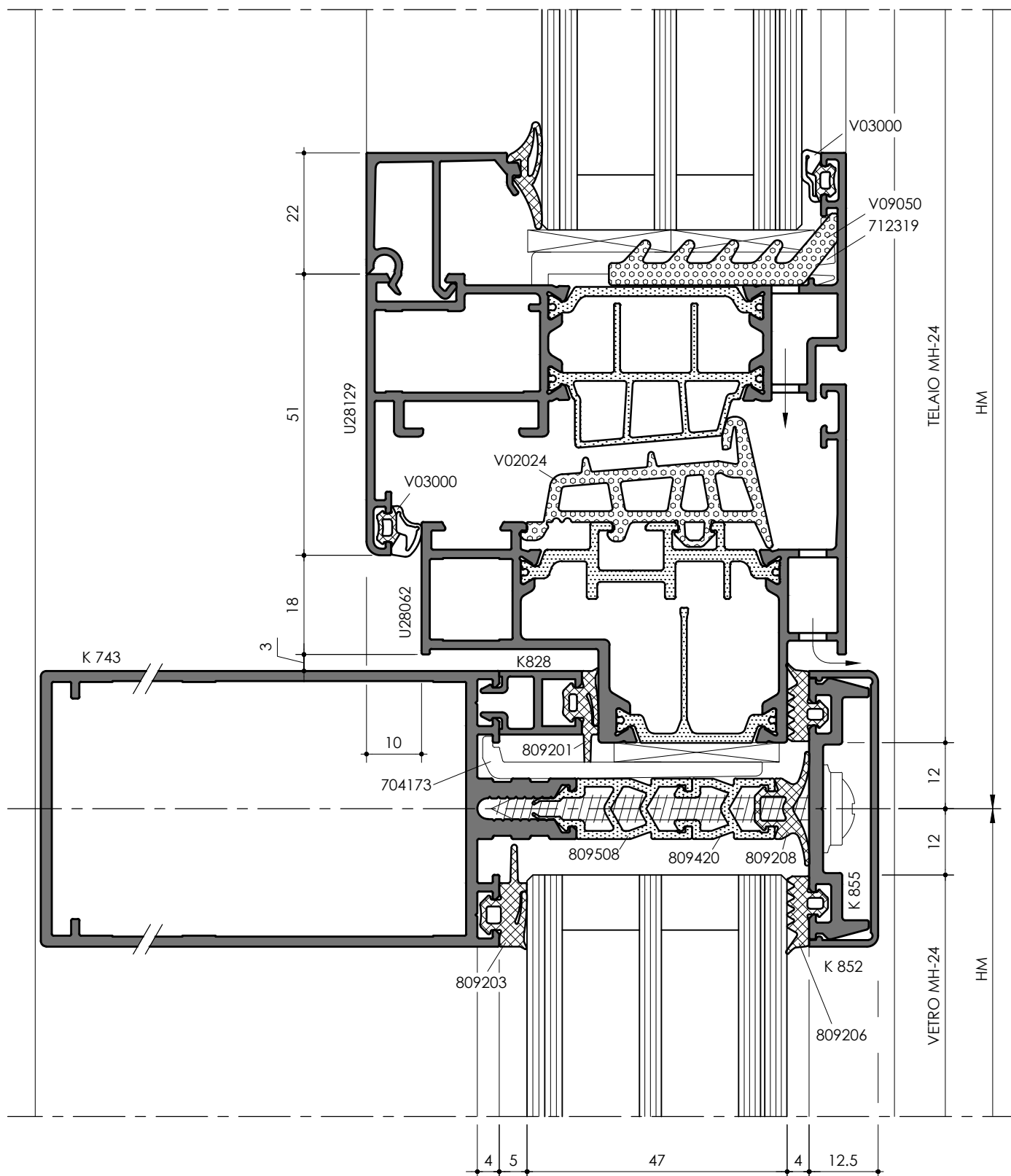
SL	SG
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PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K**
FOR WINDOWS MACHININGS **SEE ALUK C77K CATALOGUE**

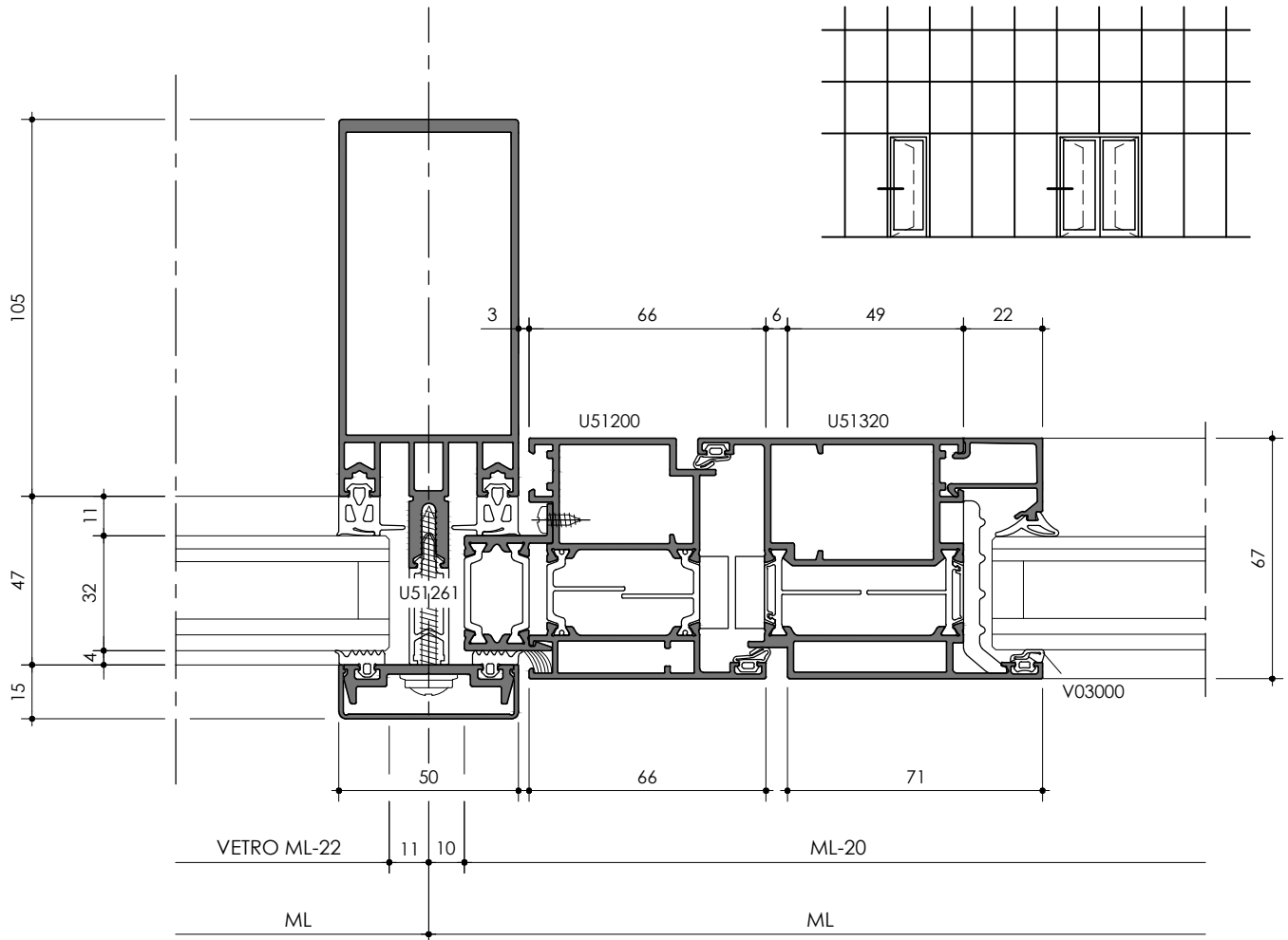




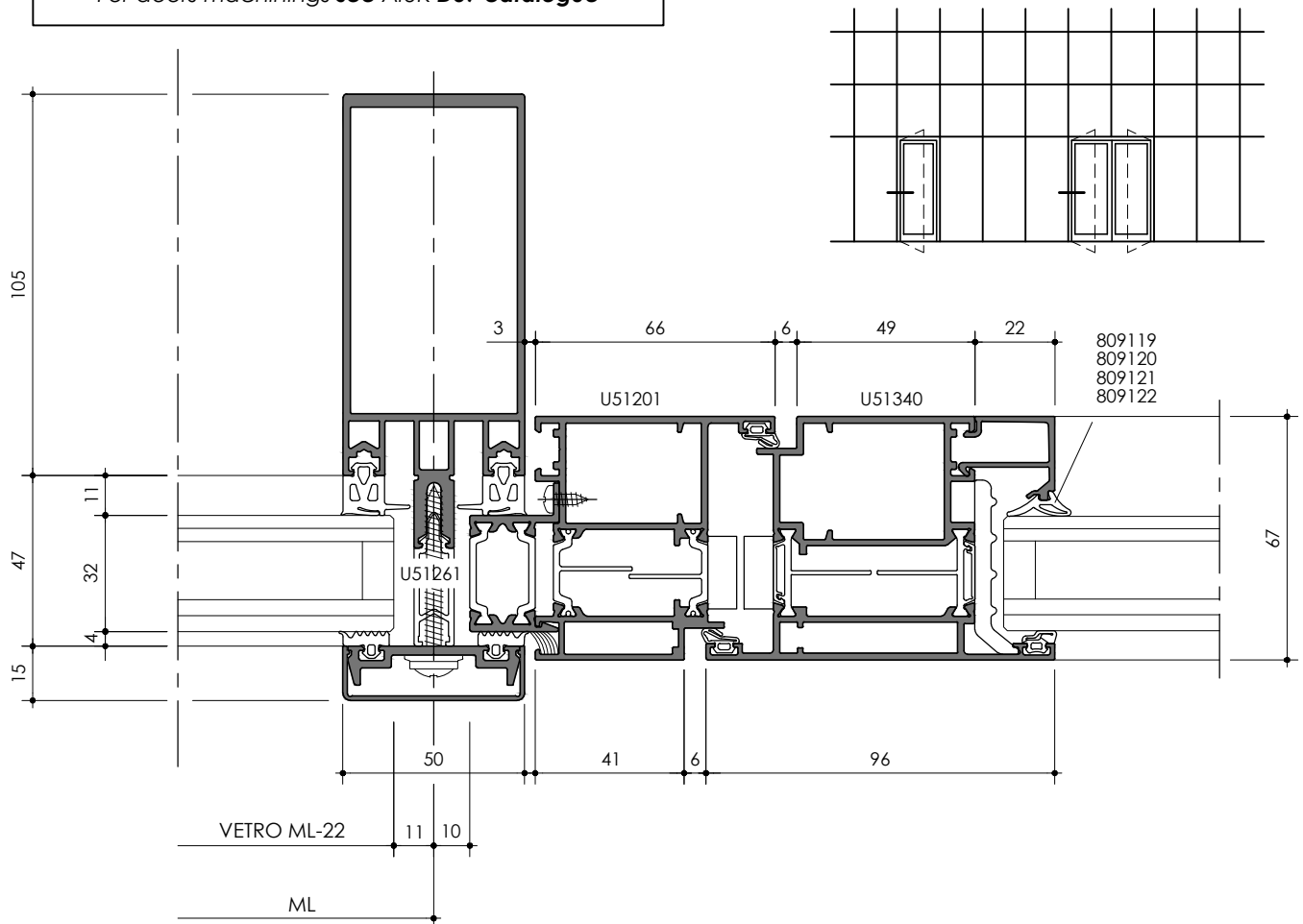
PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K**
FOR WINDOWS MACHININGS **SEE ALUK C77K CATALOGUE**



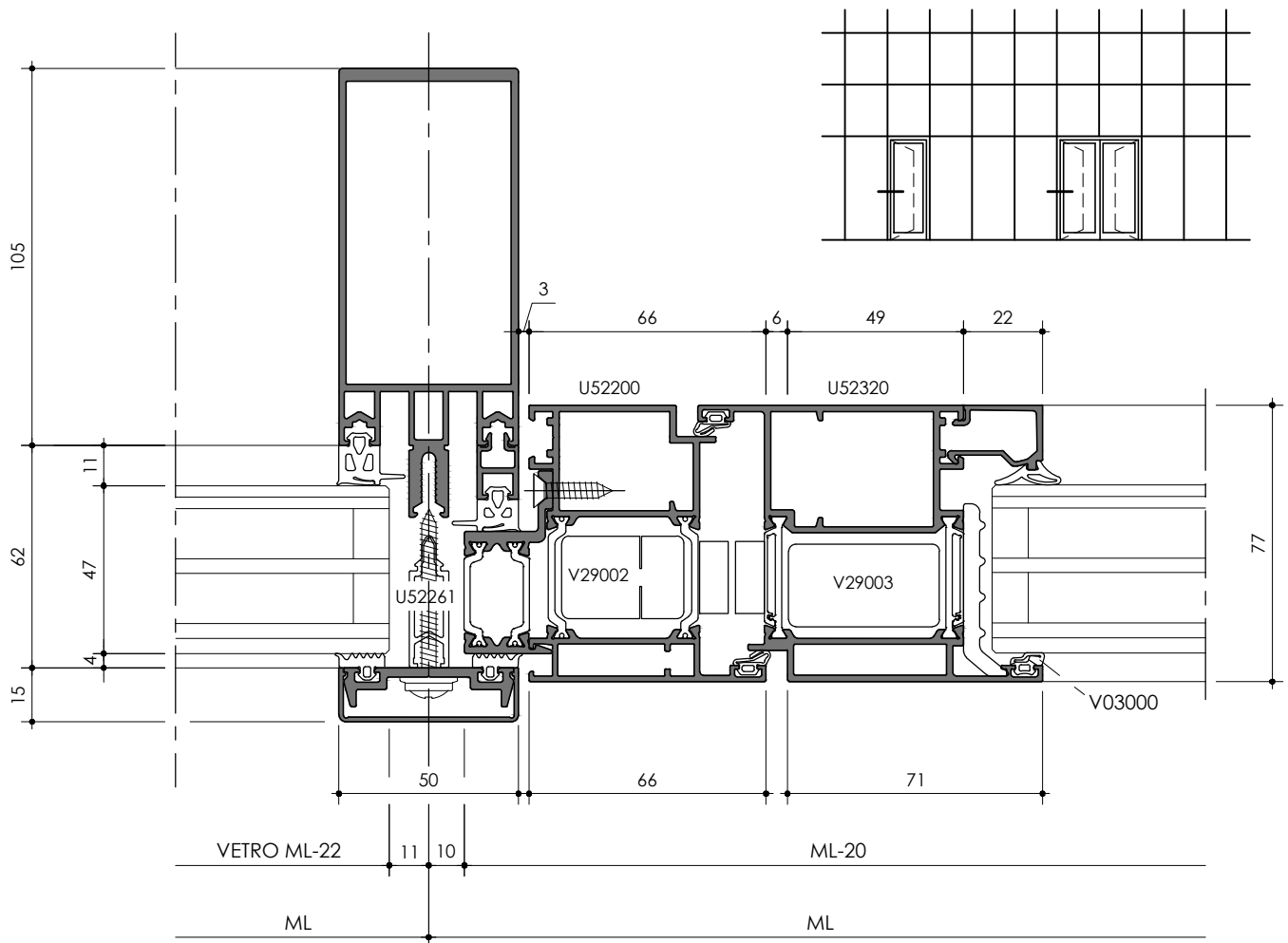
SL	SG
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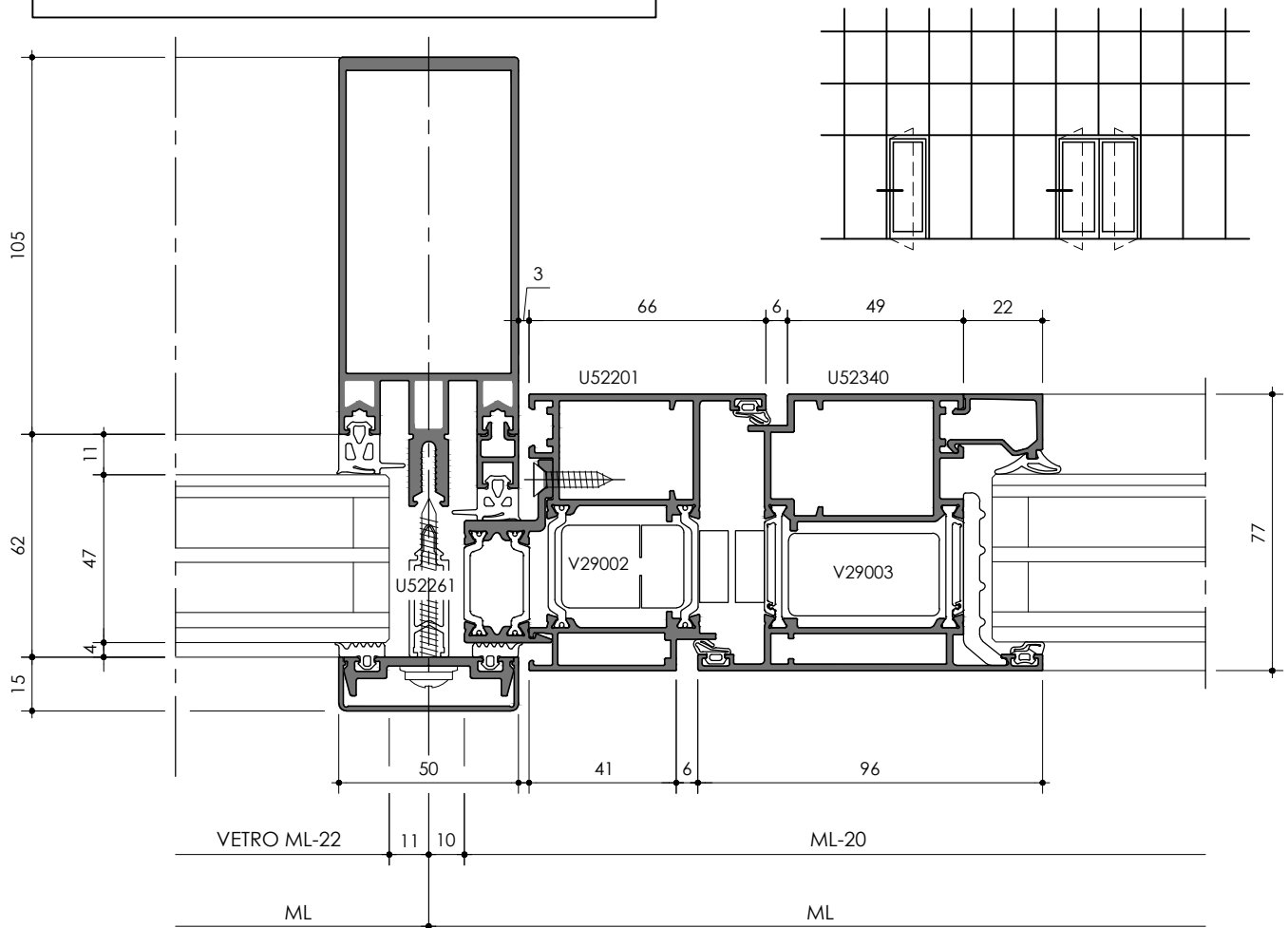
Per costruzione porte **vedi catalogo AluK D67**
For doors machinings **see AluK D67 catalogue**

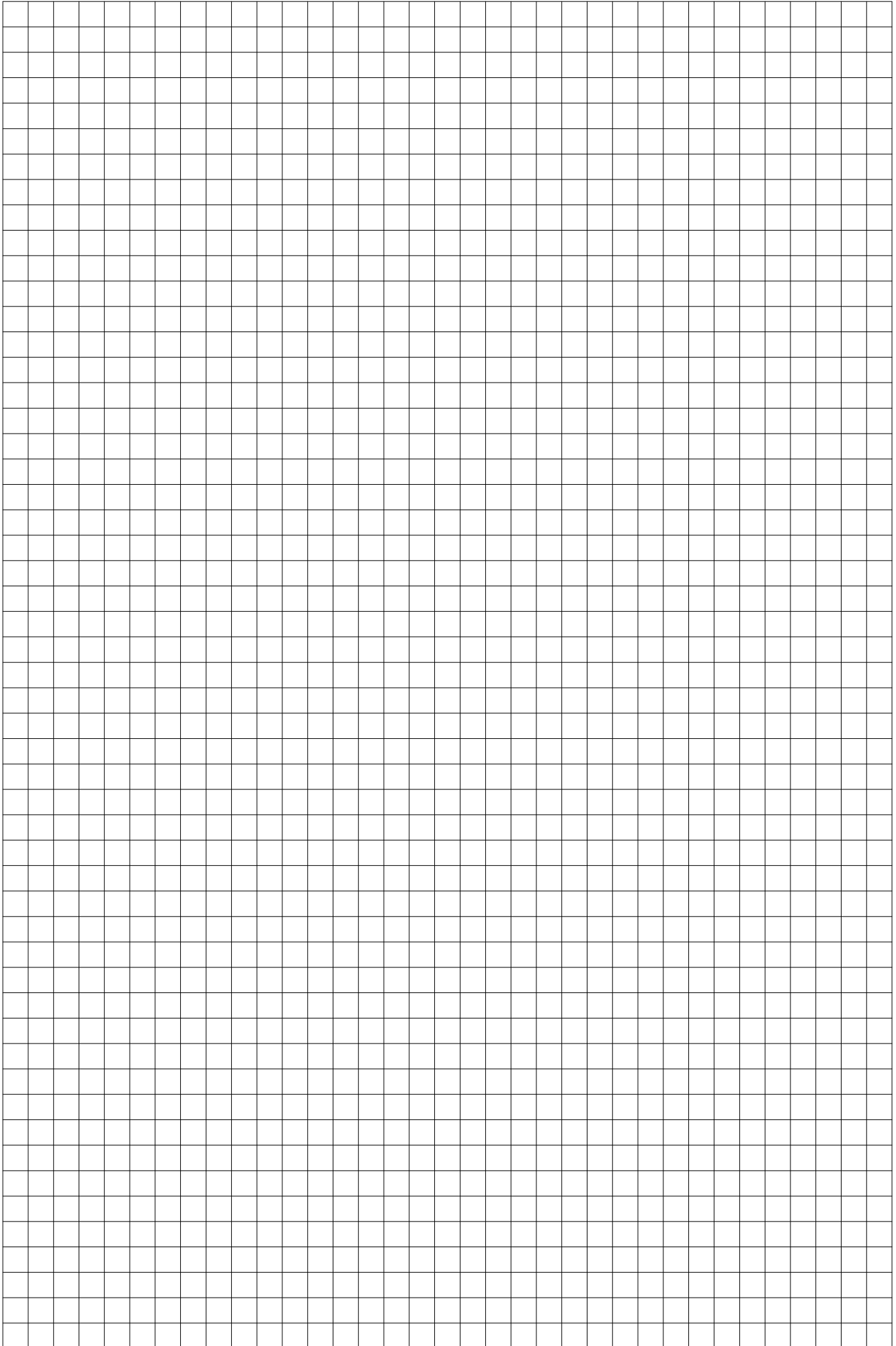


SL	SG
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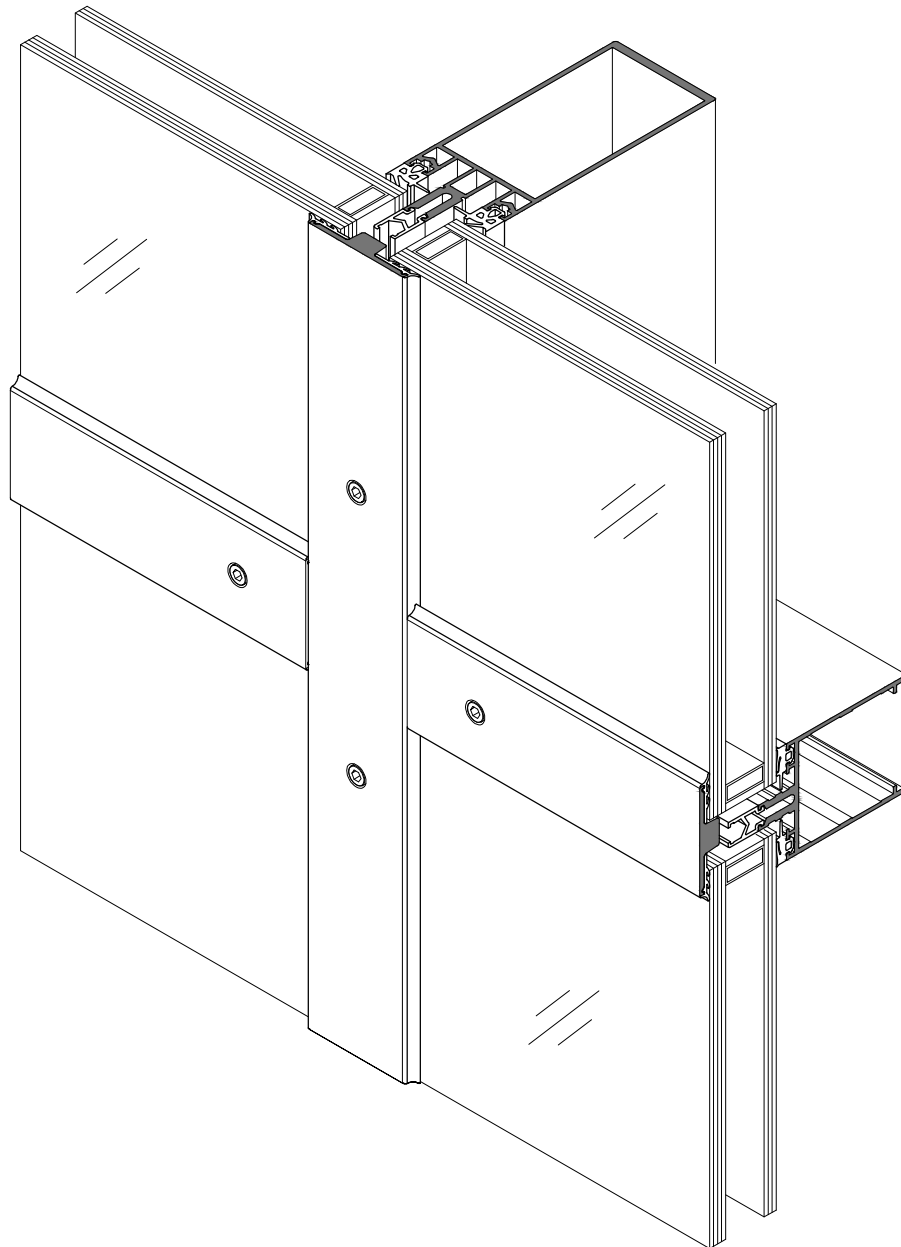
Per costruzione porte **vedi catalogo Aluk D77**
For doors machinings **see Aluk D77 catalogue**

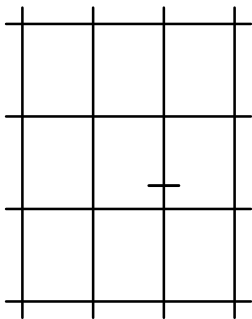




SL	SG
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SOLUZIONE CON PRESSORE K 766
SOLUTION WITH K 766 PRESSURE PLATE





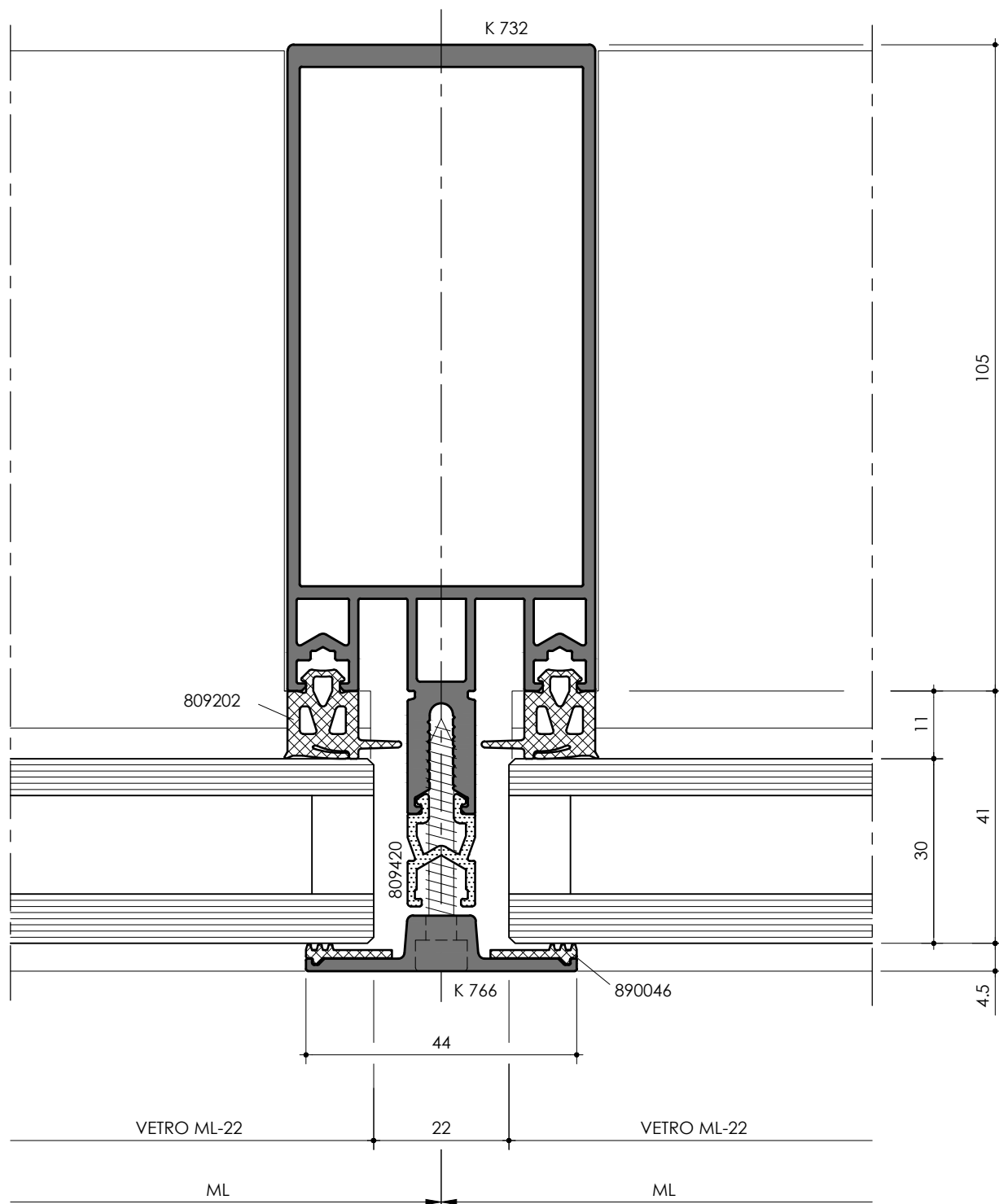
ALUK[®]

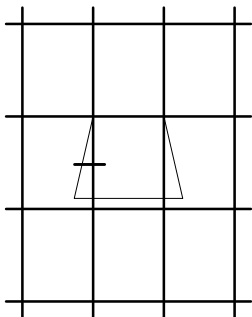
SL50 - SG50

6.82

GIUGNO 2021

SL	SG
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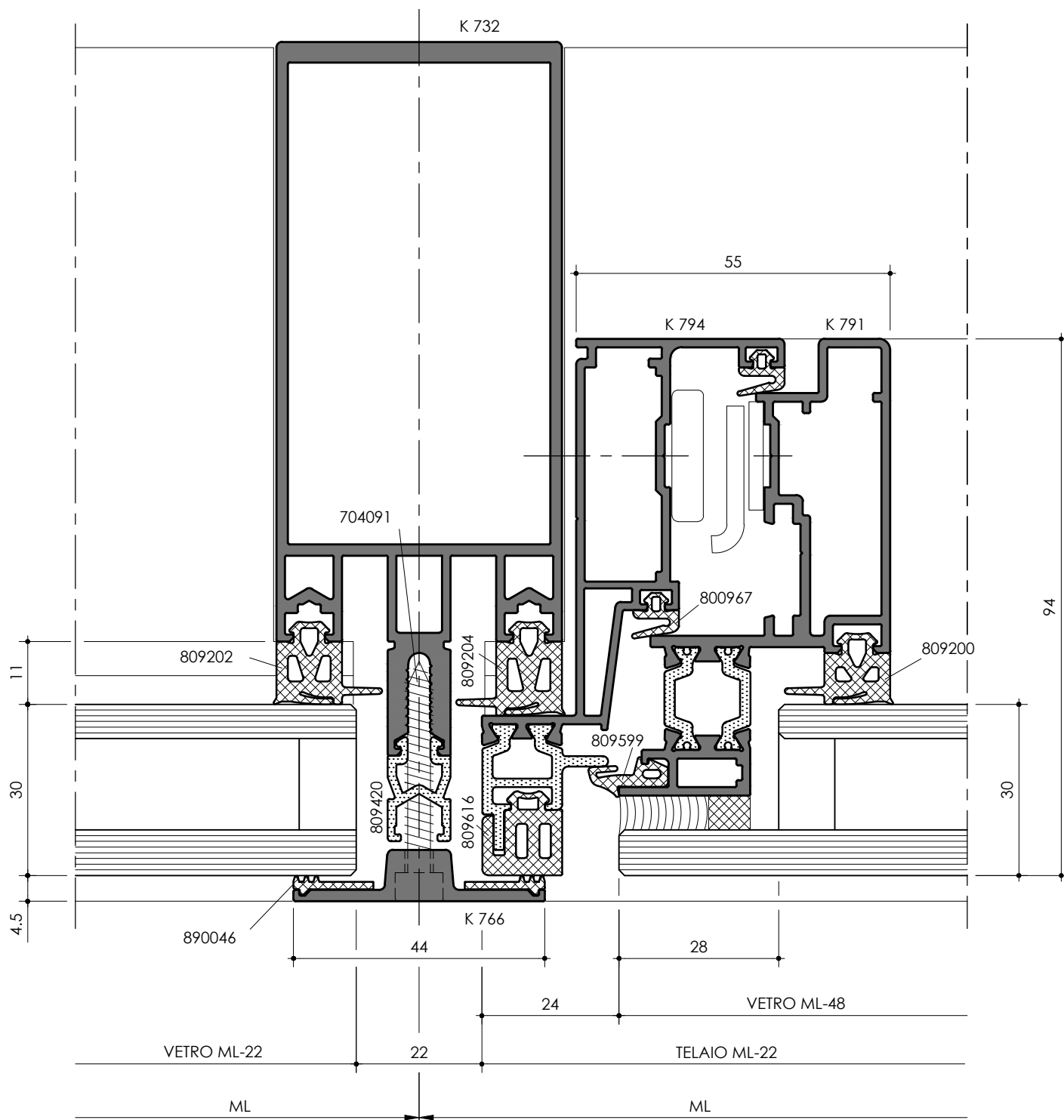
**ALUK**

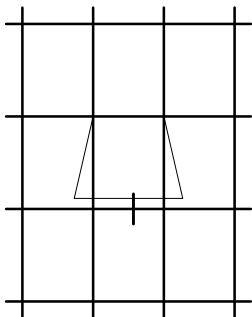
SL50 - SG50

6.84

GIUGNO 2021

SL	SG
●	





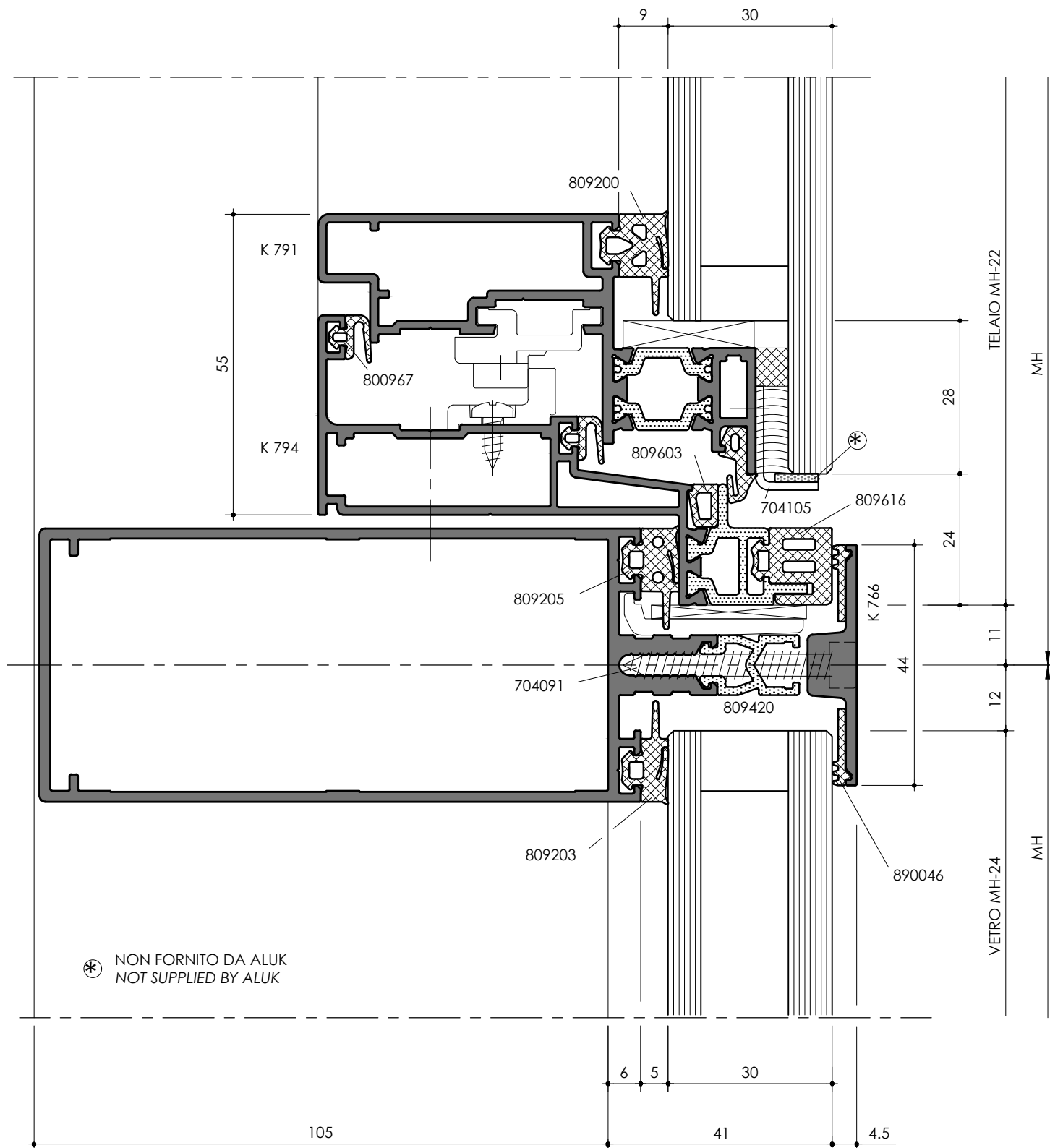
ALUK

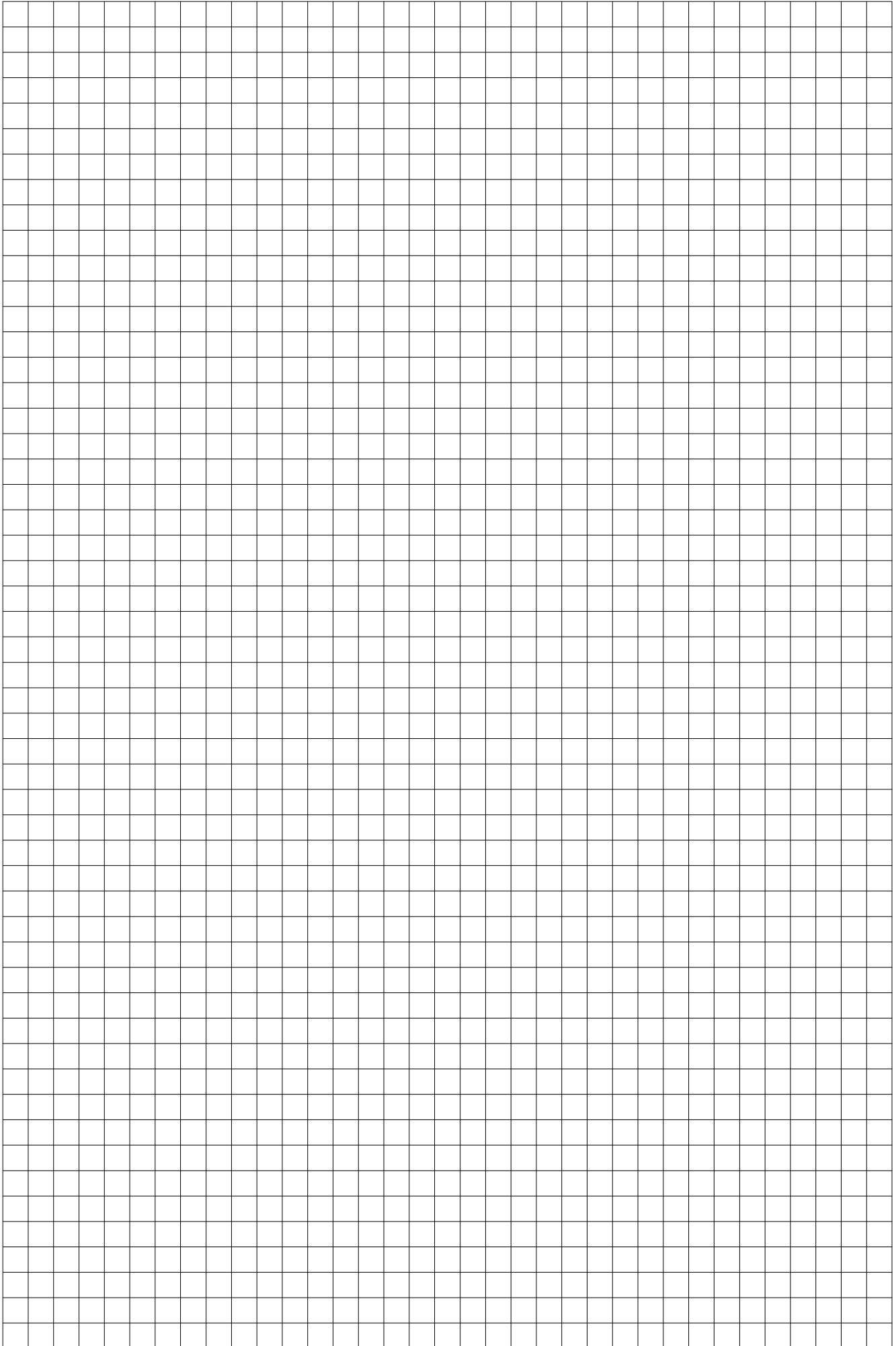
SL50 - SG50

6.85

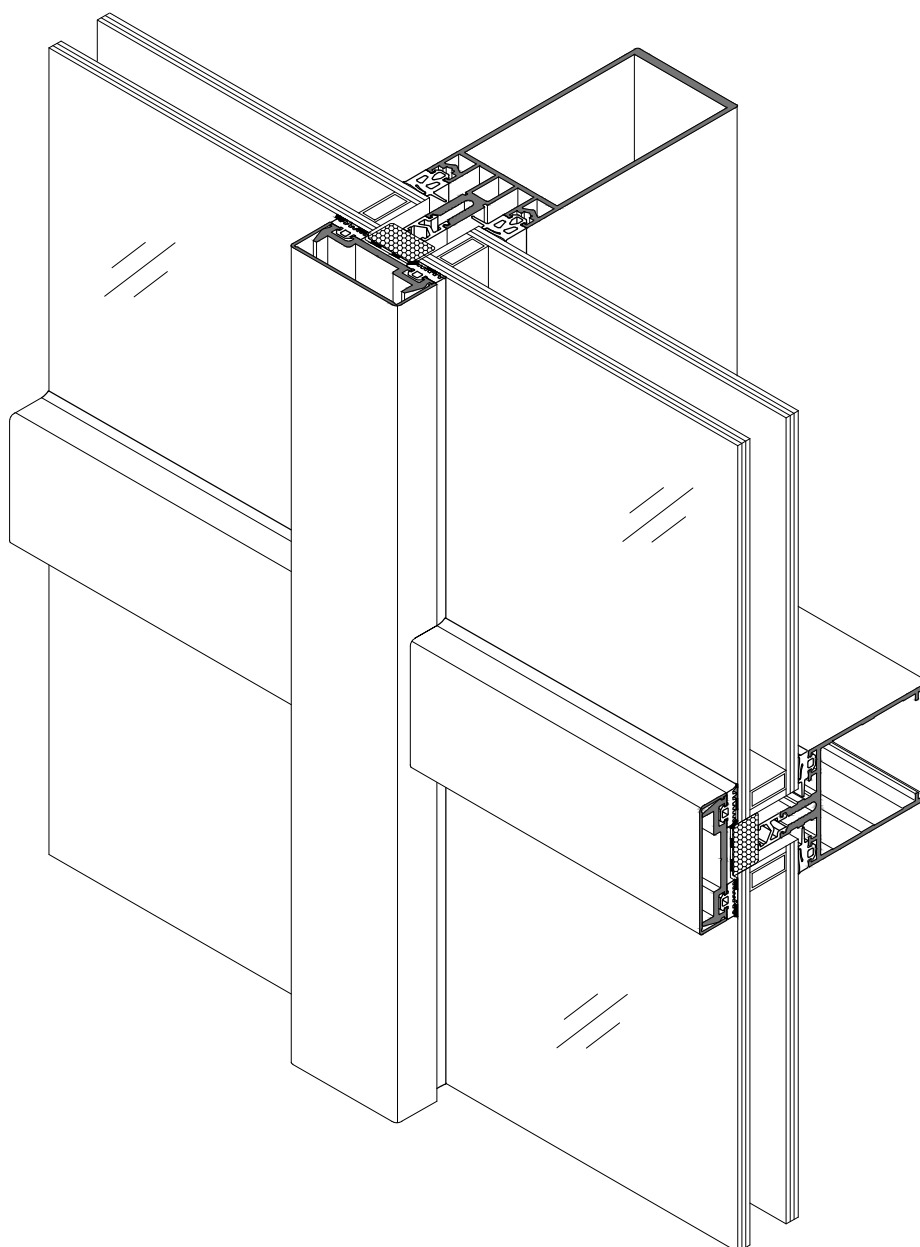
GIUGNO 2021

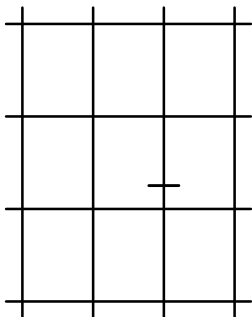
SL	SG
●	



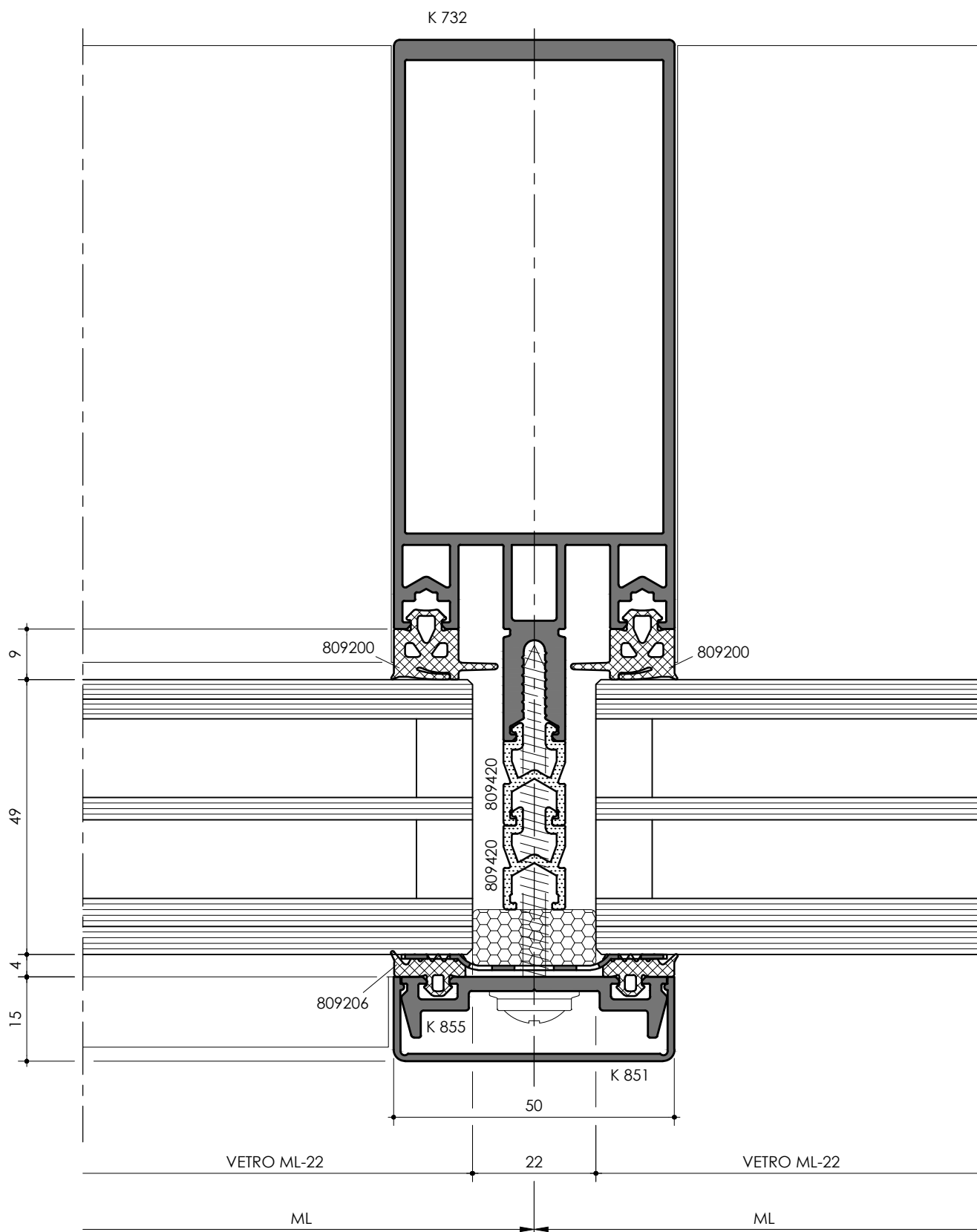


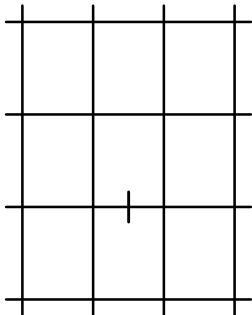
SL50 ITR (IMPROVED THERMAL RESISTANCE)
SISTEMA AD ISOLAMENTO TERMICO MIGLIORATO



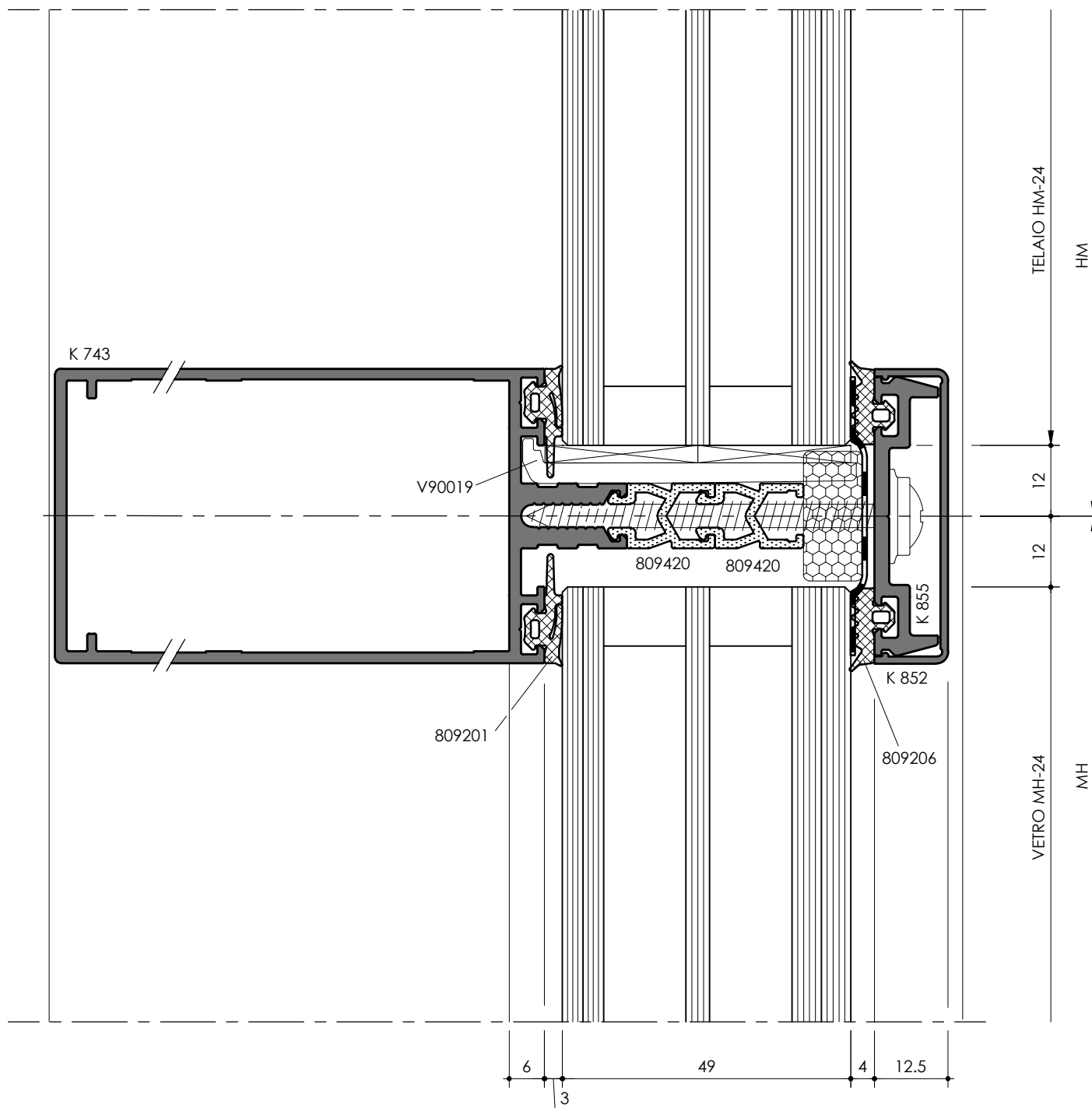


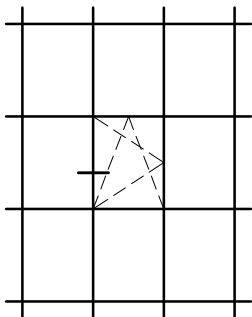
SL	SG
●	





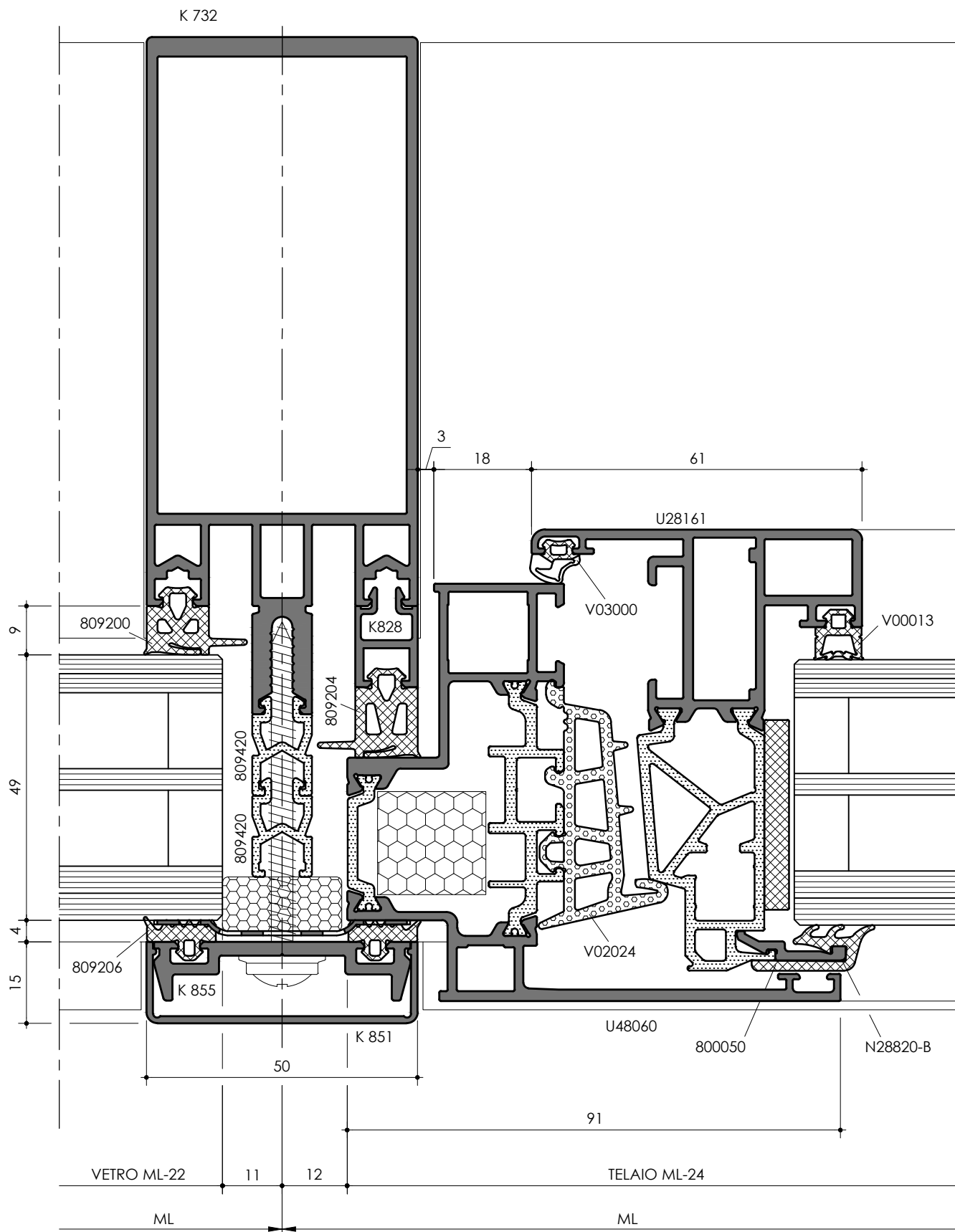
SL	SG
●	

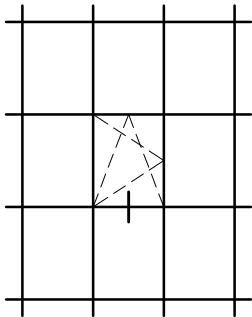




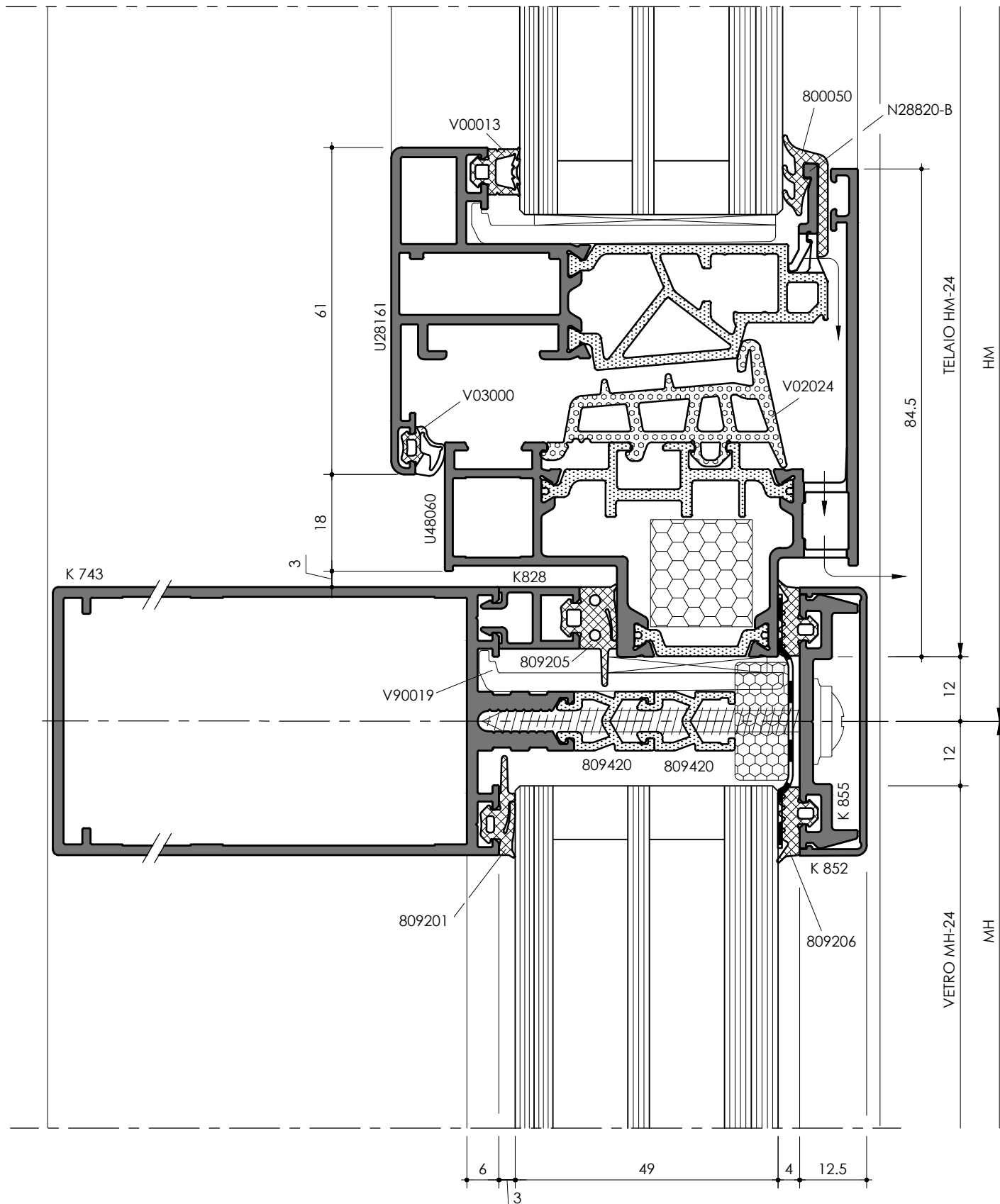
SL	SG
●	

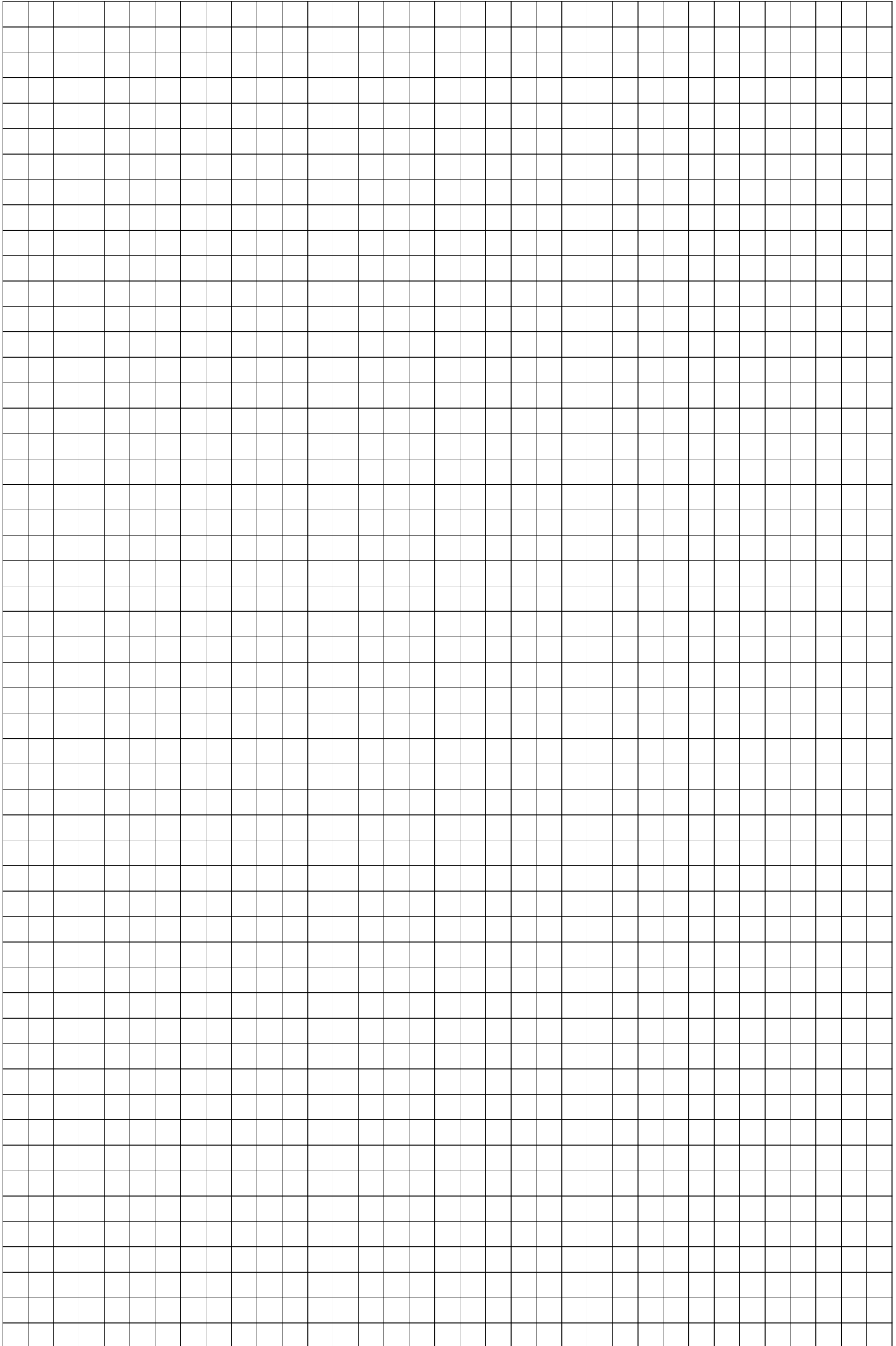
PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K-CS**
FOR WINDOWS MACHININGS **SEE ALUK C77K-CS CATALOGUE**





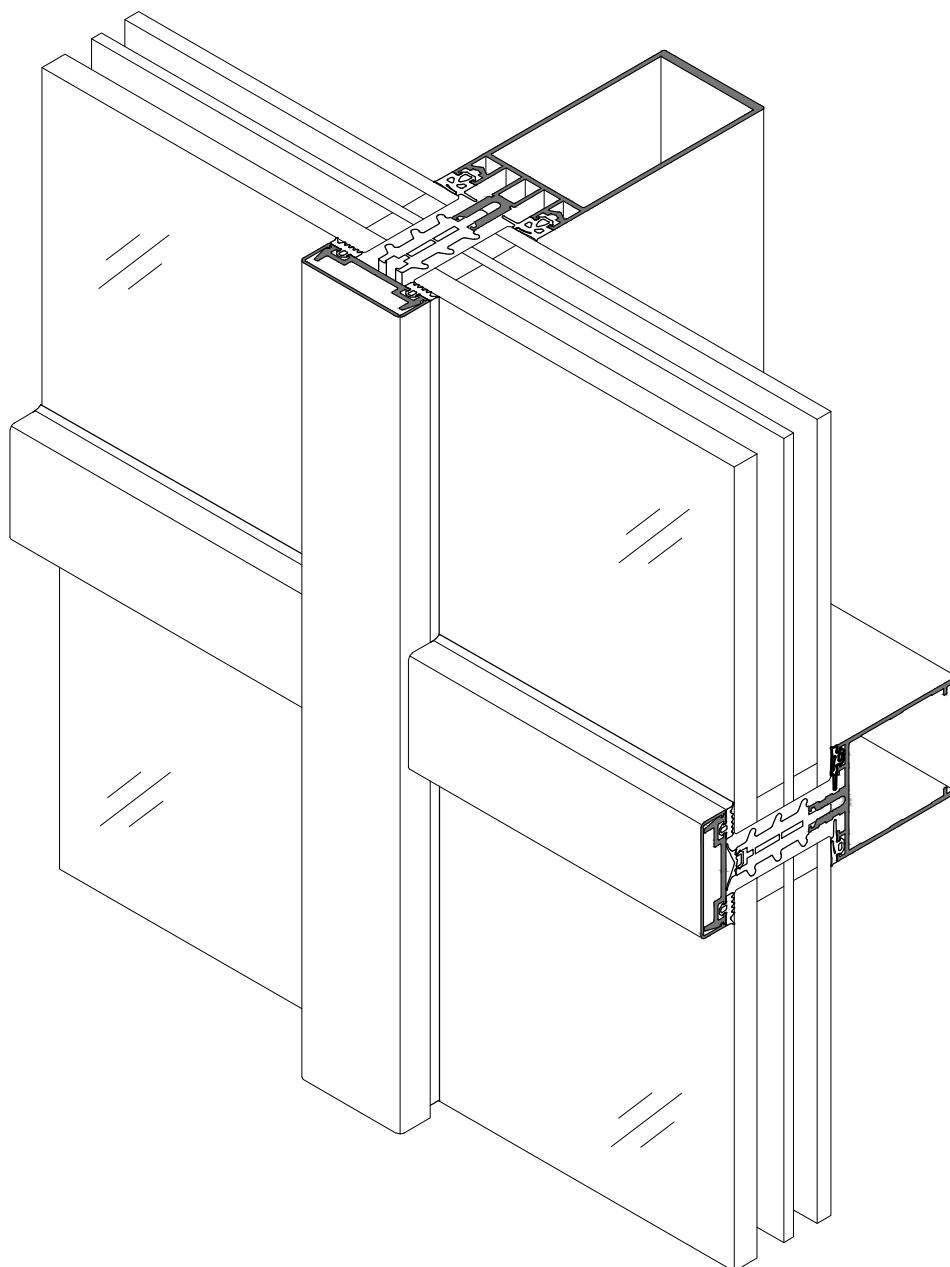
PER LAVORAZIONI ANTE **VEDI CATALOGO ALUK C77K-CS**
FOR WINDOWS MACHININGS **SEE ALUK C77K-CS CATALOGUE**





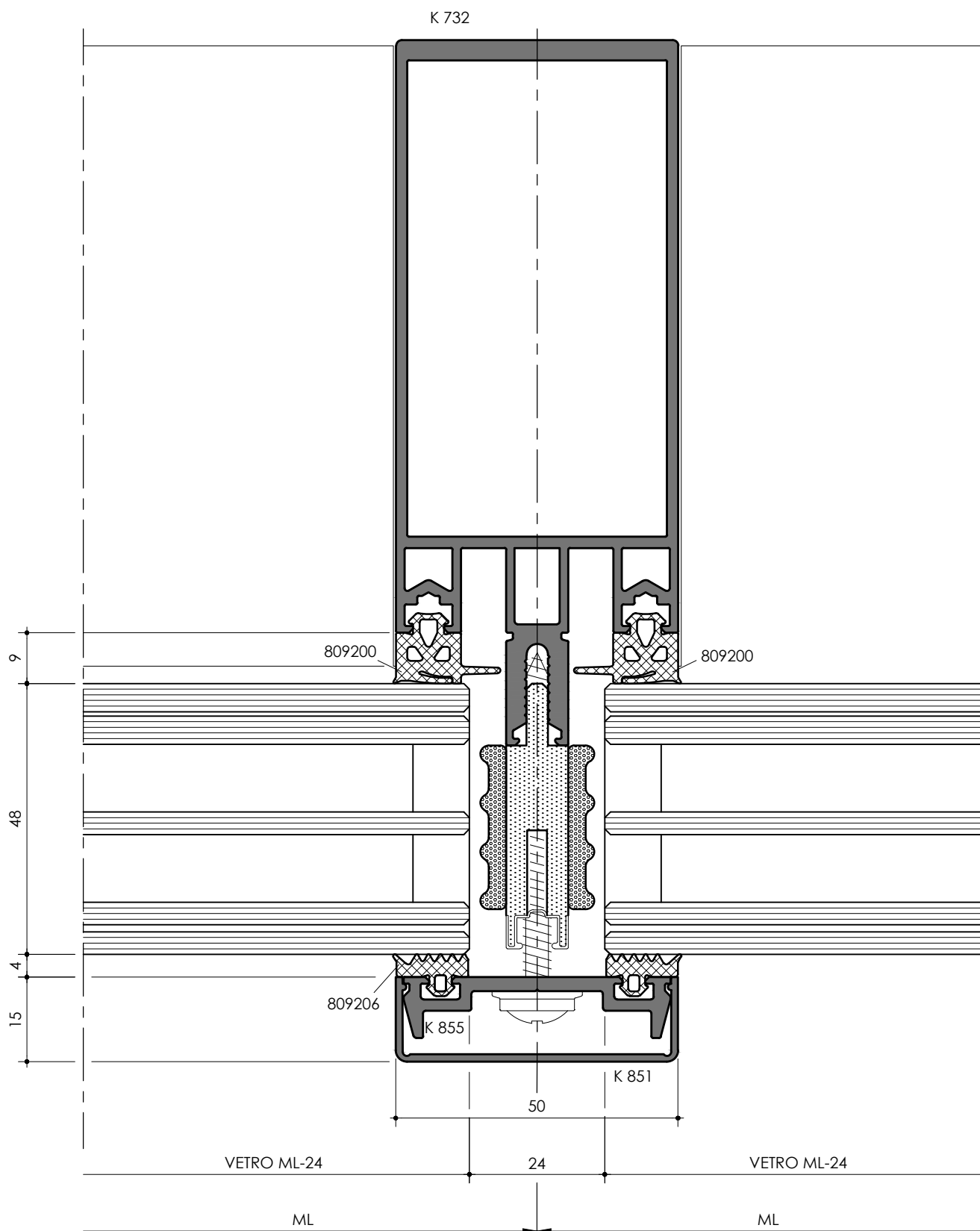
SL	SG
●	

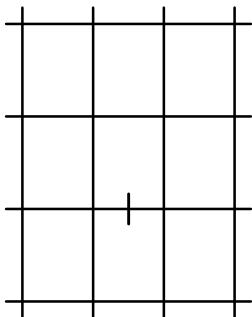
SEZIONI CON DISTANZIATORE ISOLANTE
TYPICAL DETAIL WITH INSULATING SPACER



SL	SG
●	

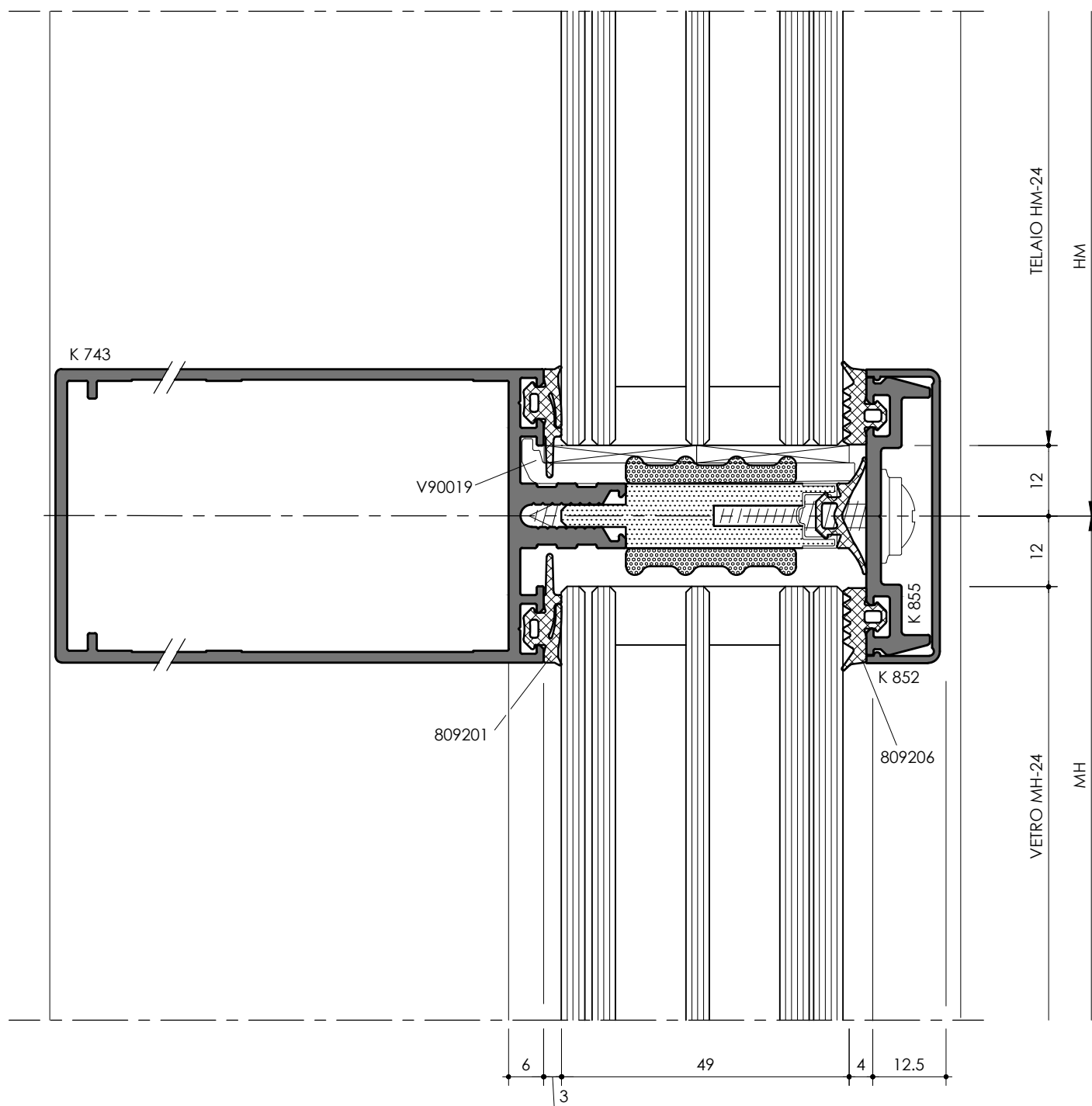
SOLUZIONE FORNIBILE SU PROGETTO
VERIFICARE LE MODALITA' DI APPROVVIGIONAMENTO
SOLUTION CAN BE PROVIDED ON A PROJECT BASIS
VERIFY THE MODE OF PROCUREMENT

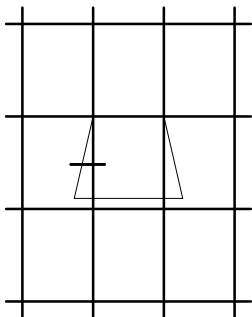




SL	SG
●	

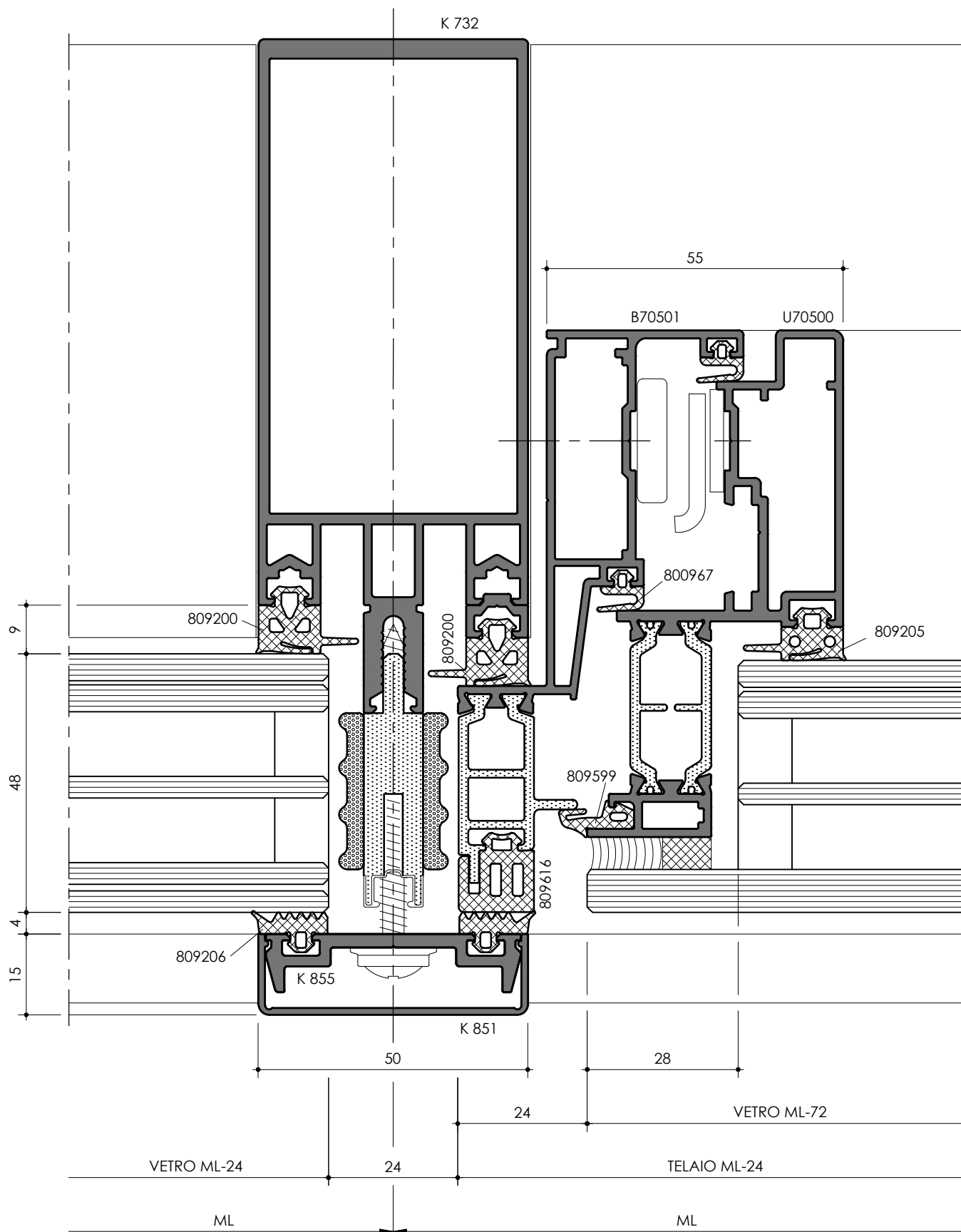
SOLUZIONE FORNIBILE SU PROGETTO
VERIFICARE LE MODALITA' DI APPROVVIGIONAMENTO
SOLUTION CAN BE PROVIDED ON A PROJECT BASIS
VERIFY THE MODE OF PROCUREMENT



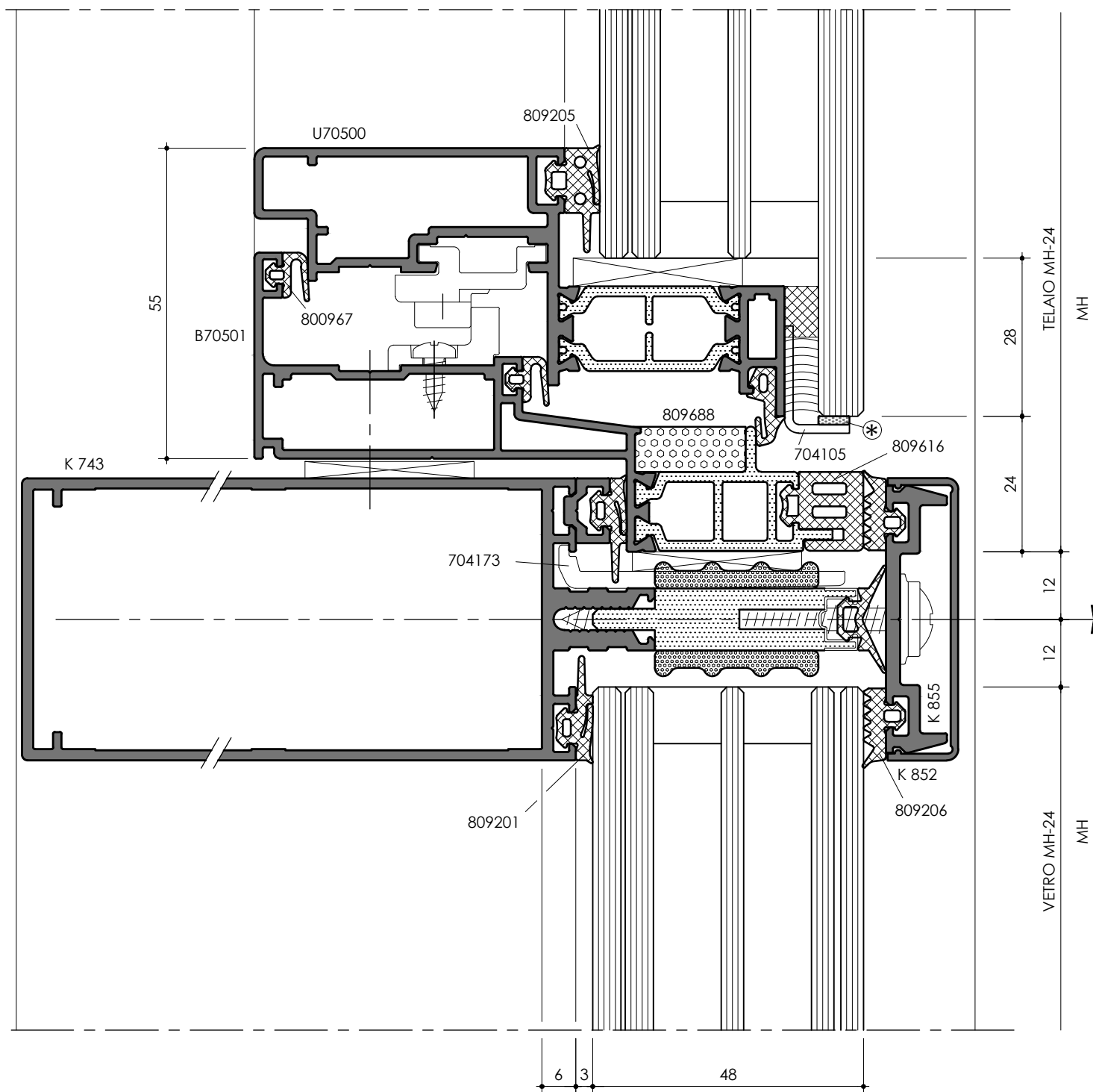


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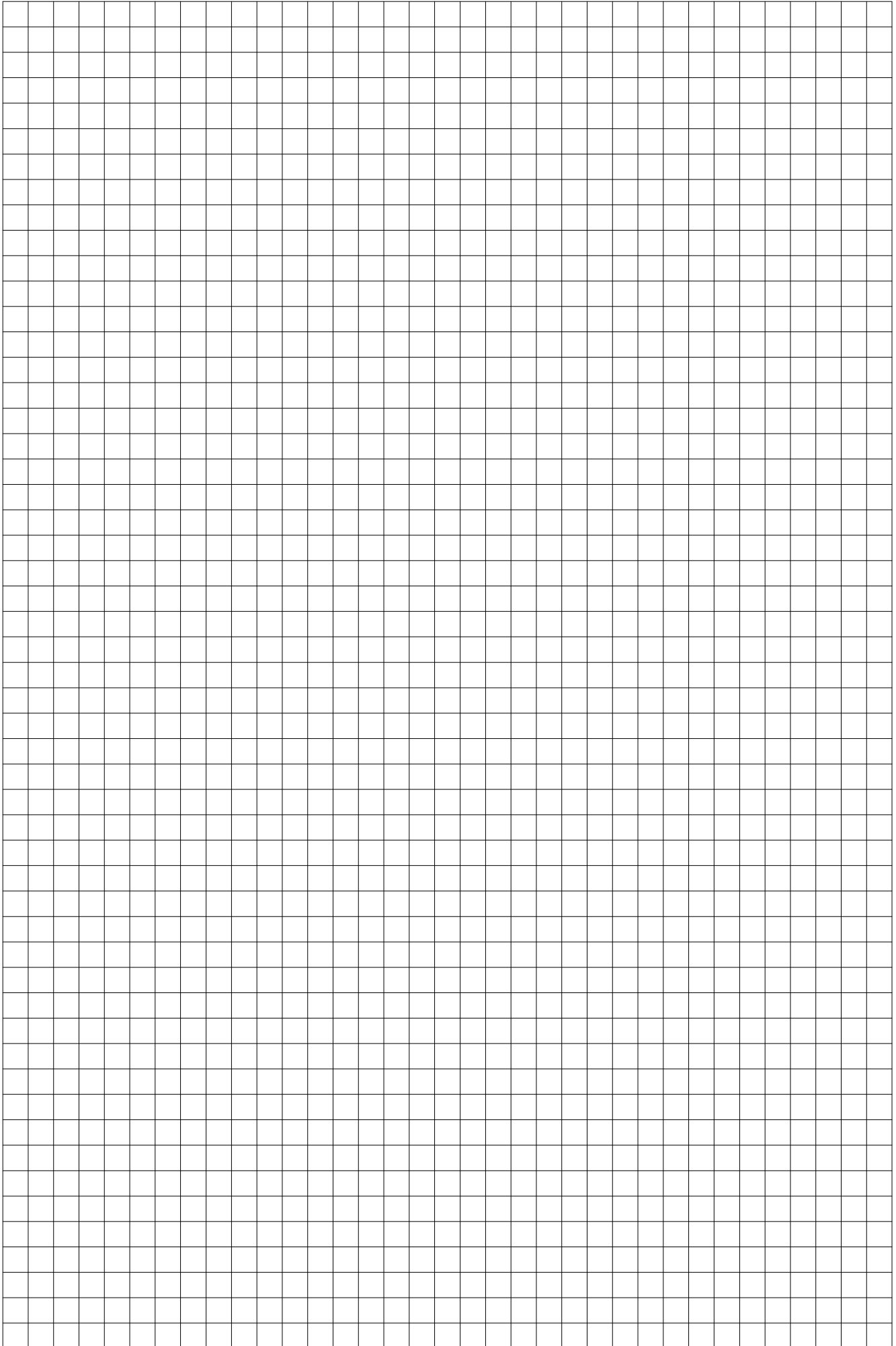
SOLUZIONE FORNIBILE SU PROGETTO
VERIFICARE LE MODALITA' DI APPROVVIGIONAMENTO
SOLUTION CAN BE PROVIDED ON A PROJECT BASIS
VERIFY THE MODE OF PROCUREMENT



SOLUZIONE FORNIBILE SU PROGETTO
VERIFICARE LE MODALITA' DI APPROVVIGIONAMENTO
SOLUTION CAN BE PROVIDED ON A PROJECT BASIS
VERIFY THE MODE OF PROCUREMENT

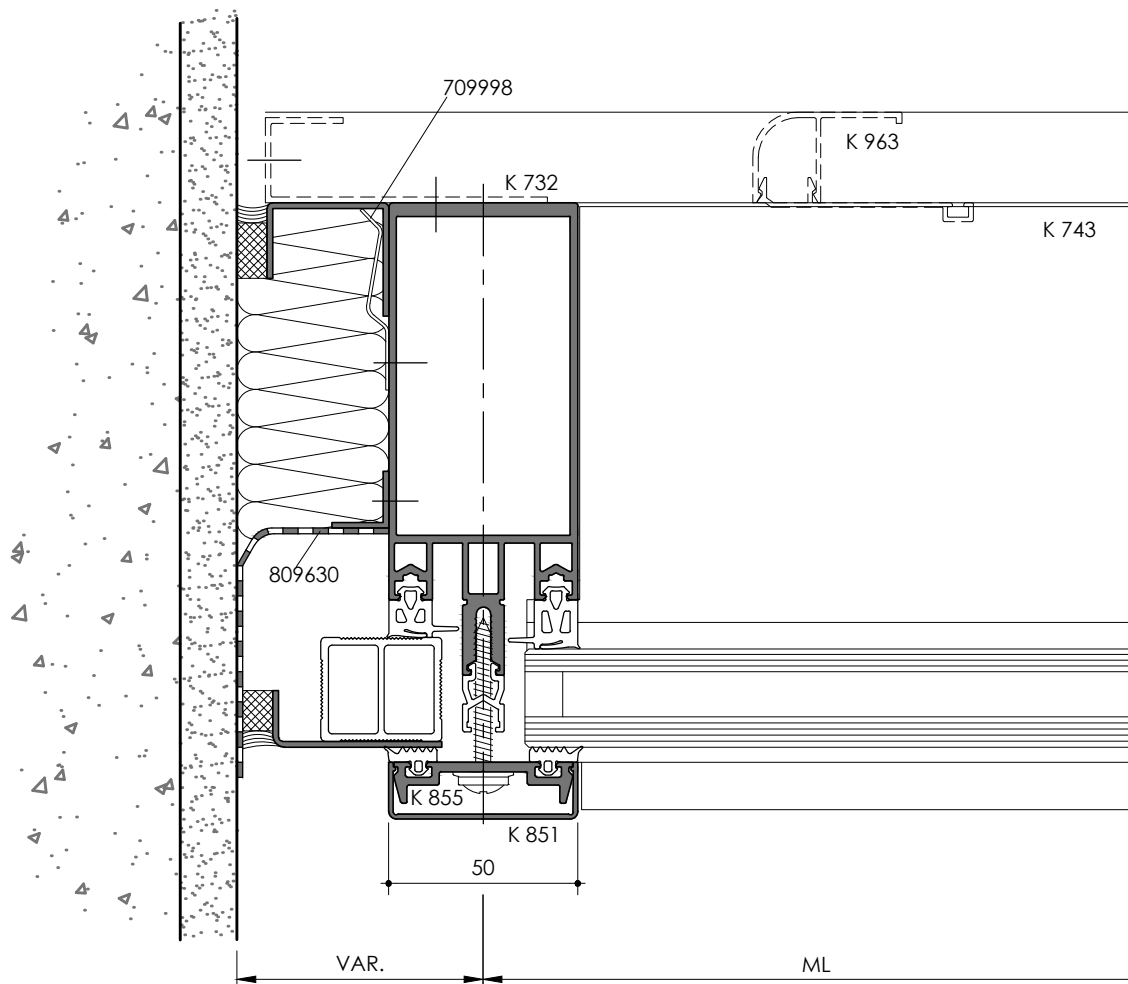
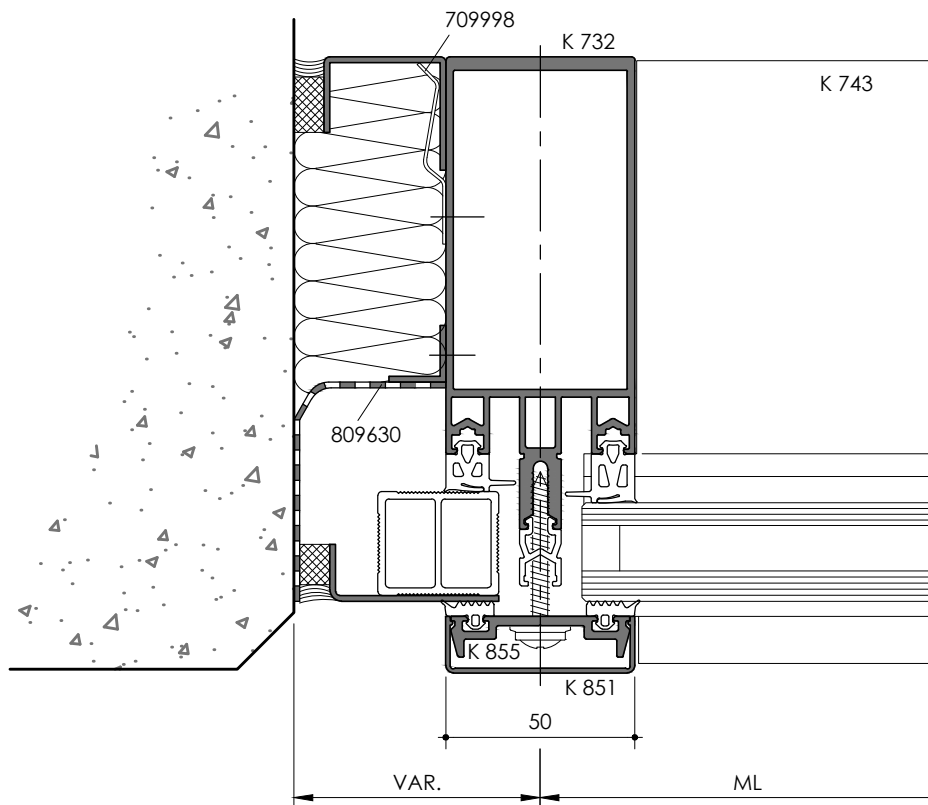


 NON FORNITO DA ALUK
NOT SUPPLIED BY ALUK

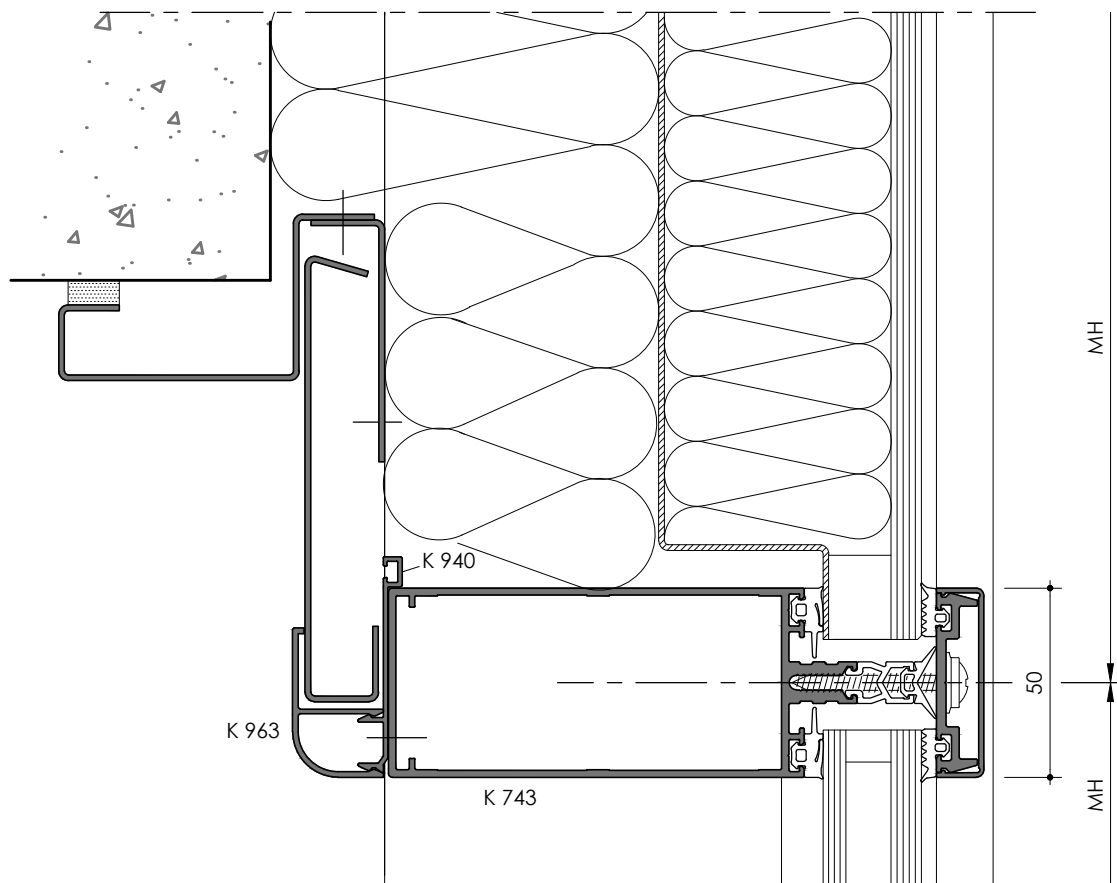
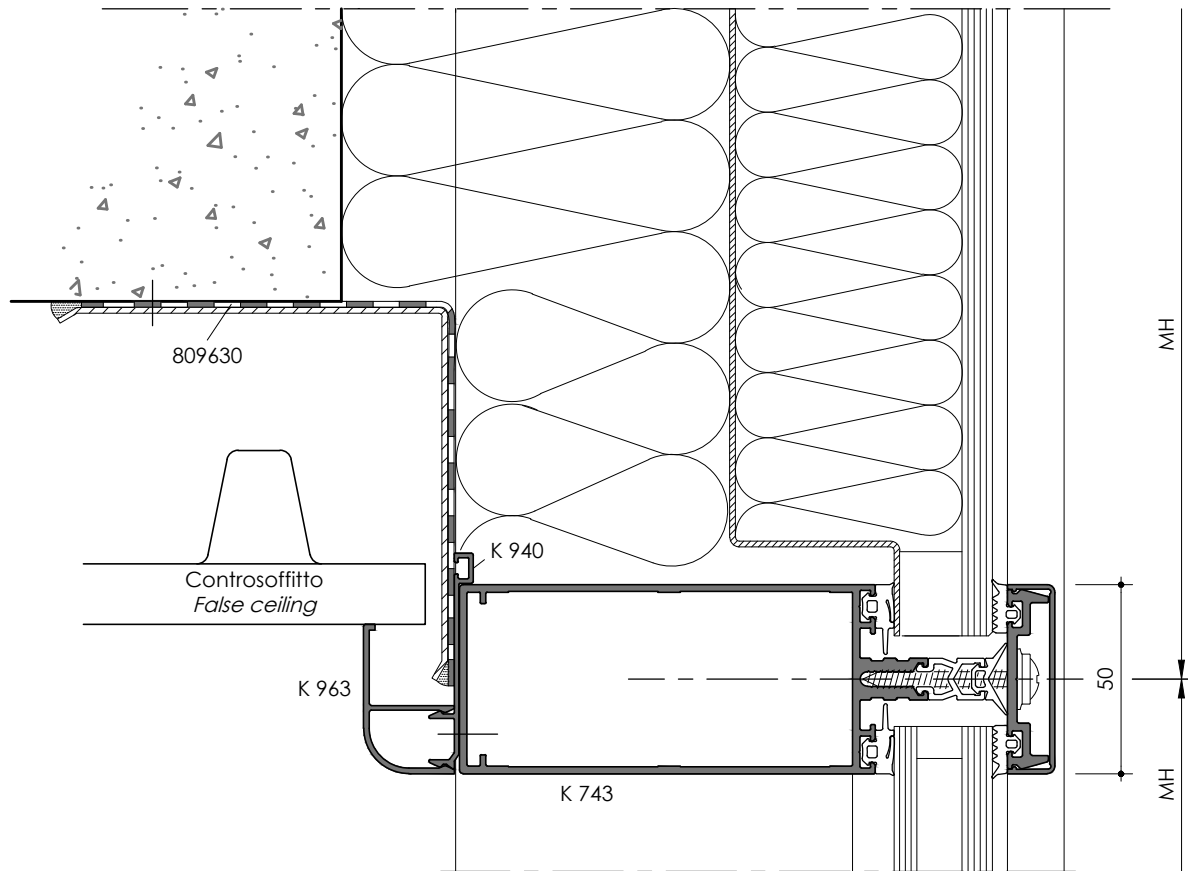


SL	SG
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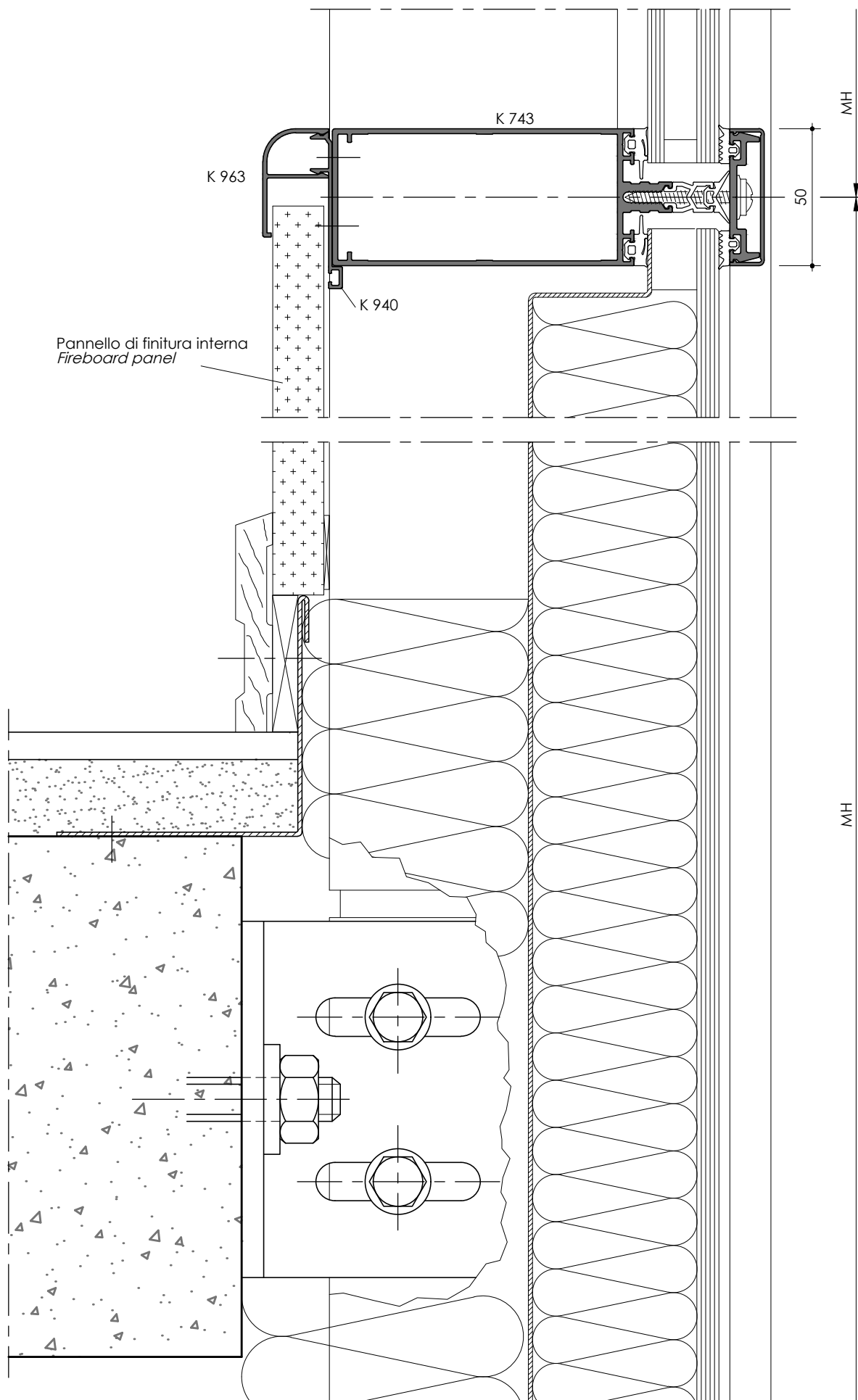
NODI LATERALI DI FACCIATA CURTAIN WALL JAMB DETAILS



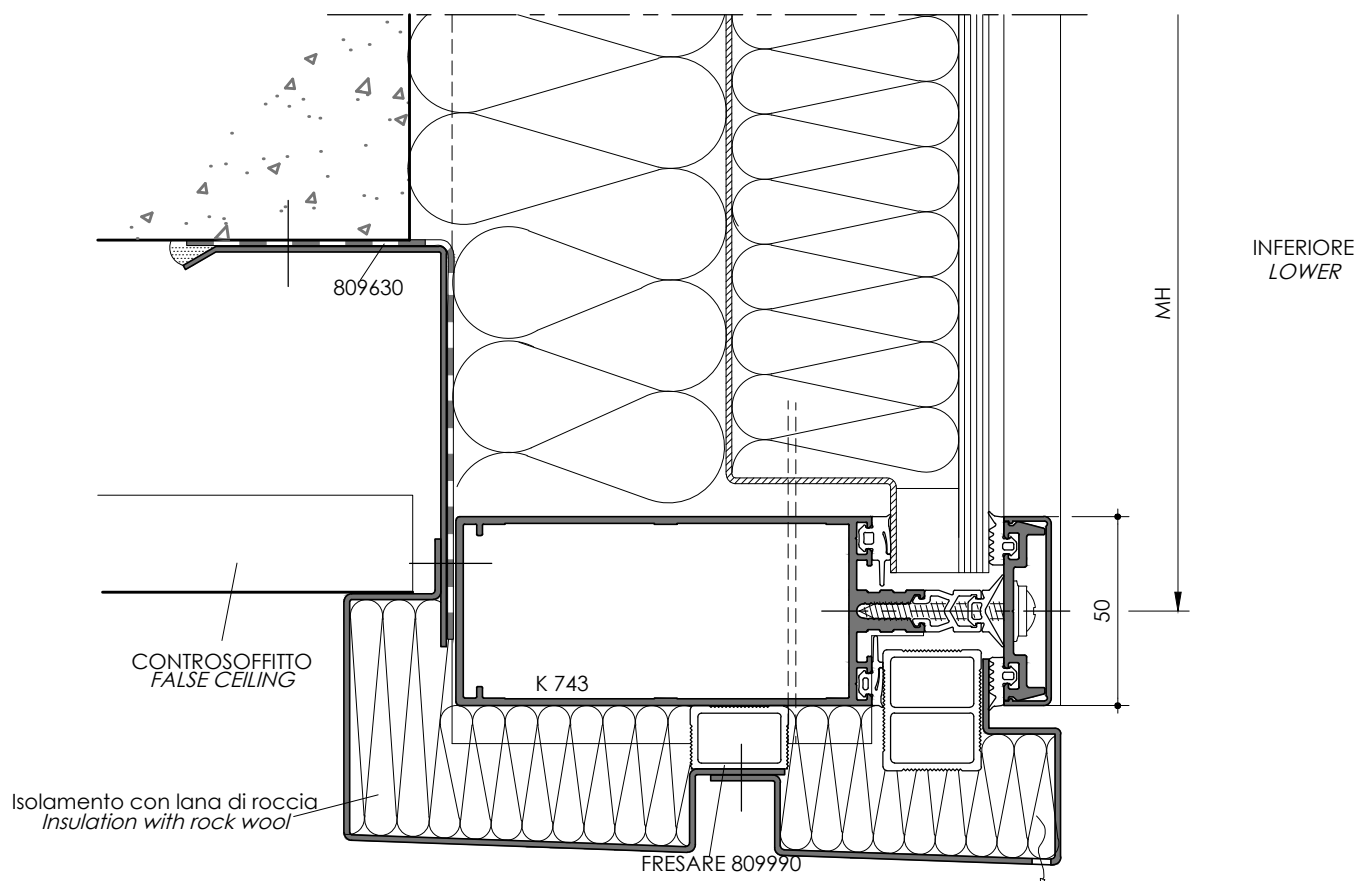
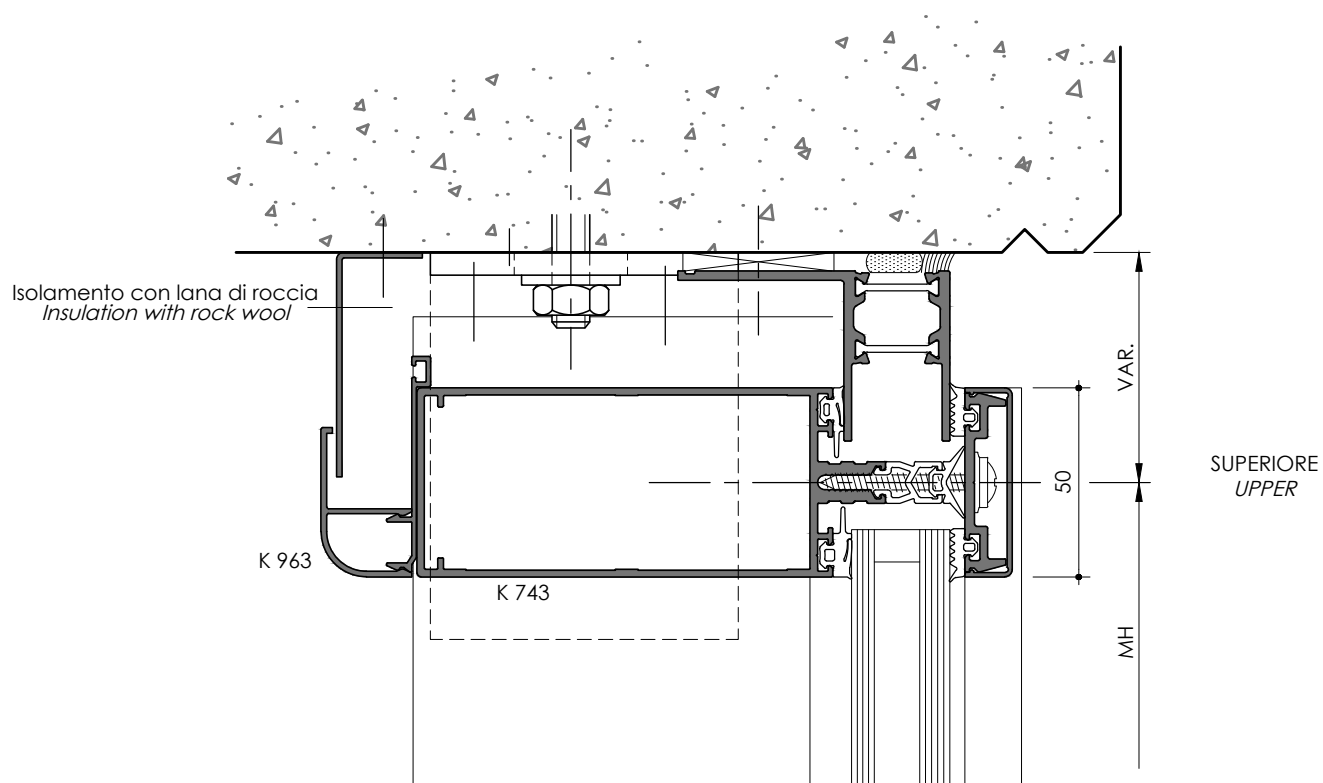
COLLEGAMENTI A SOLAIO CEILING JOINTS



COLLEGAMENTO A PAVIMENTO FLOOR JOINT

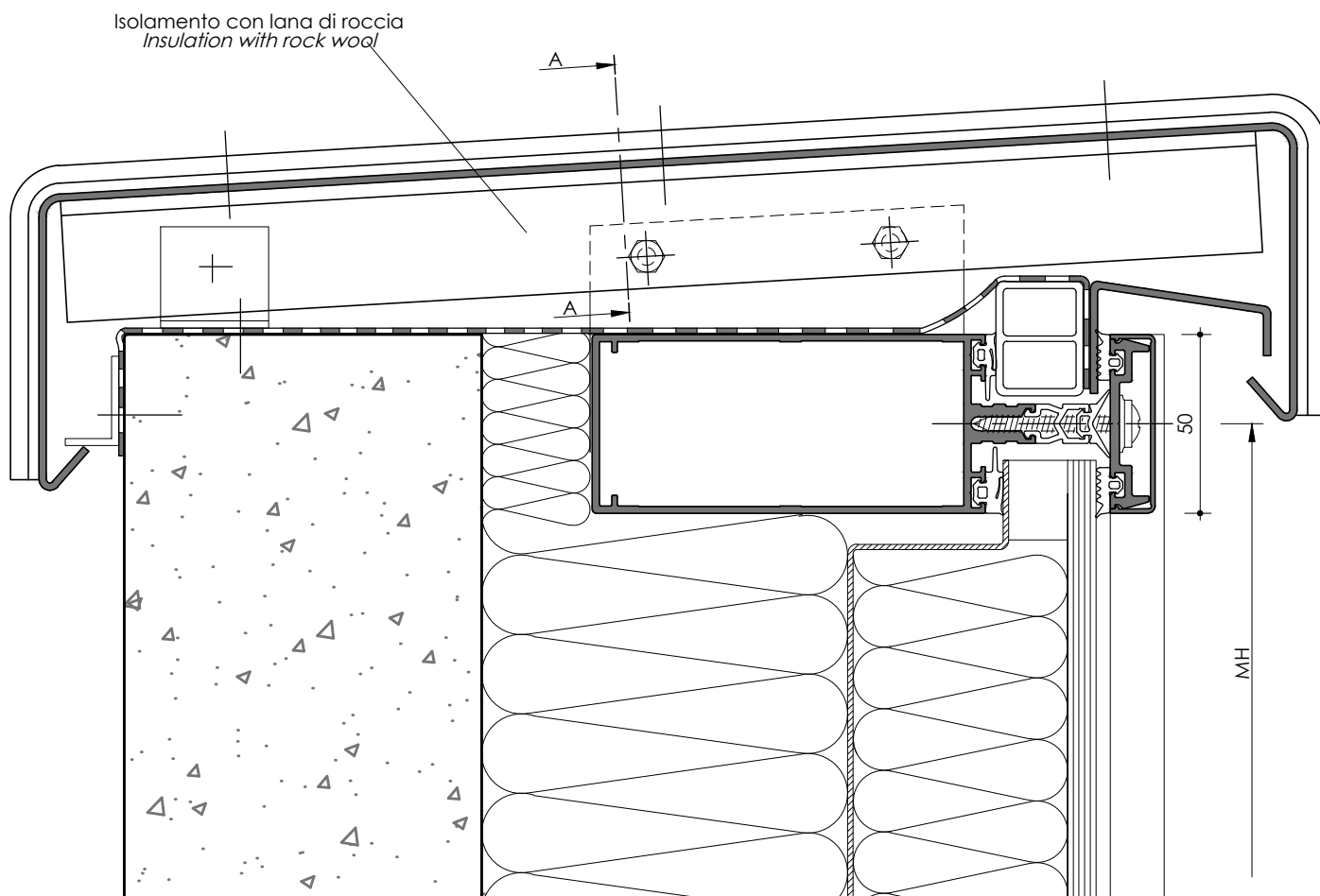
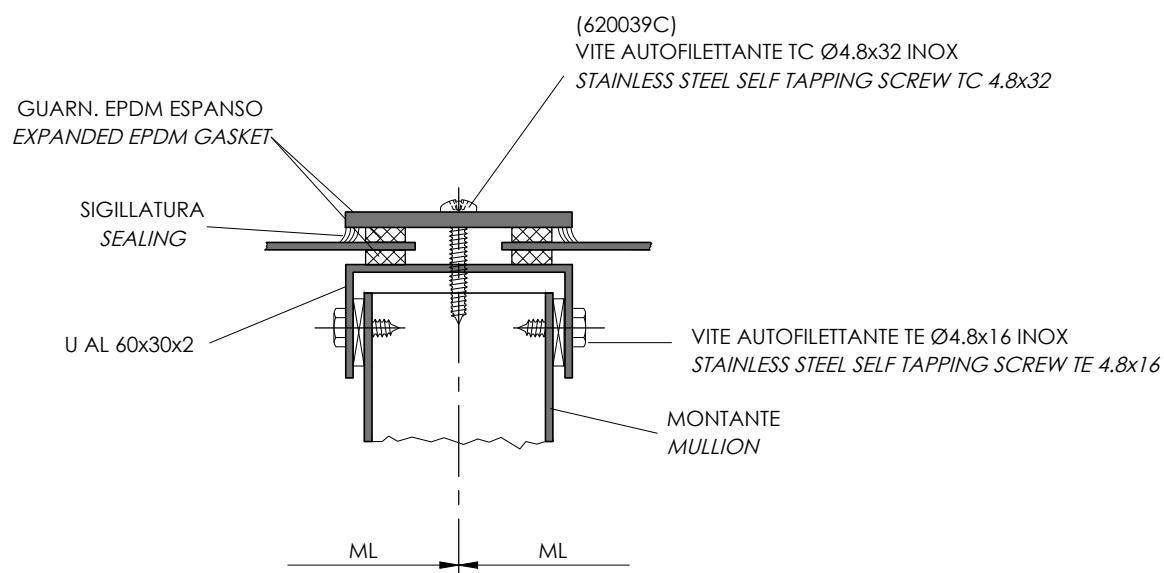


NODI TERMINALI DI FACCIATA CURTAIN WALL TERMINAL DETAILS

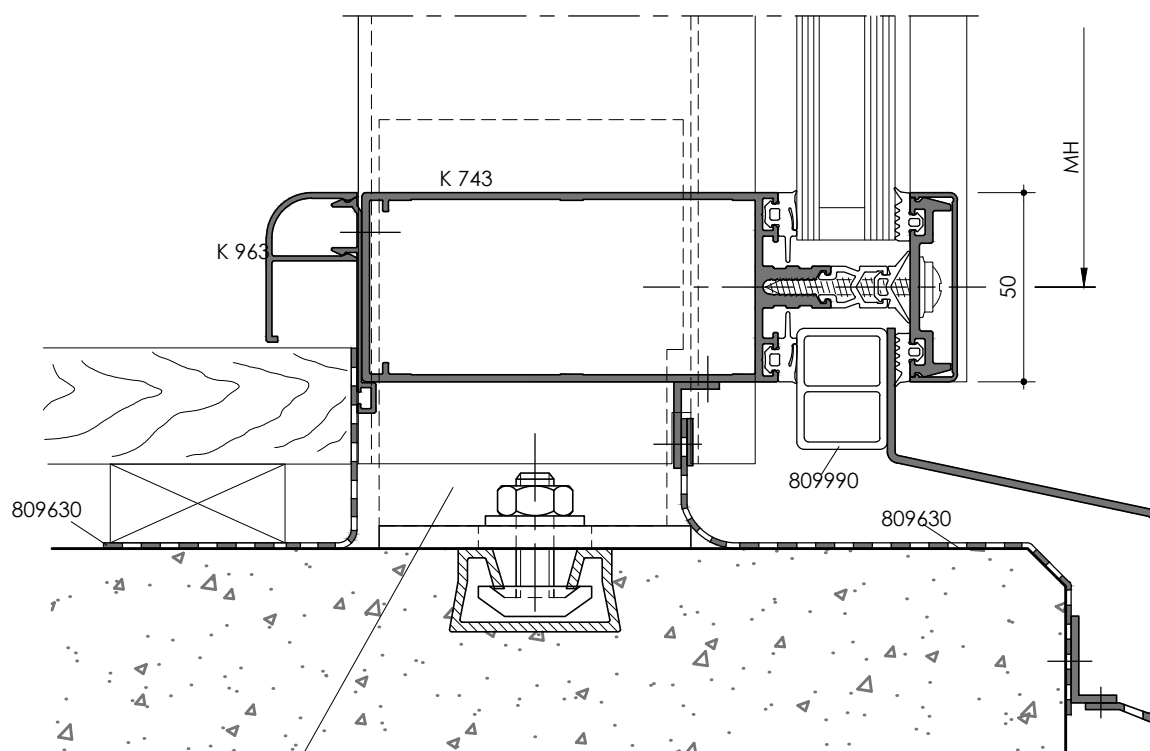


PARTICOLARE COPERTINA SUPERIORE FACCIATA CURTAIN WALL COVER DETAIL

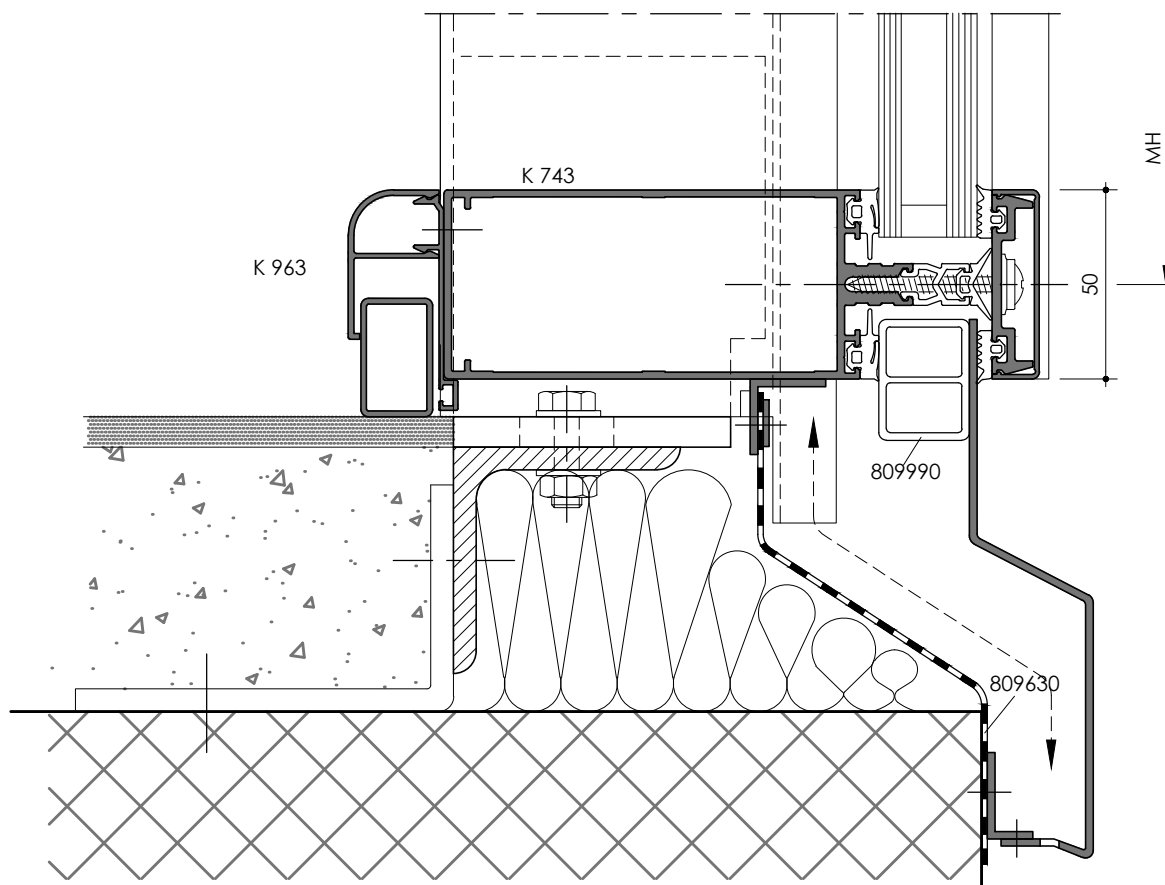
SEZIONE A-A
SECTION A-A



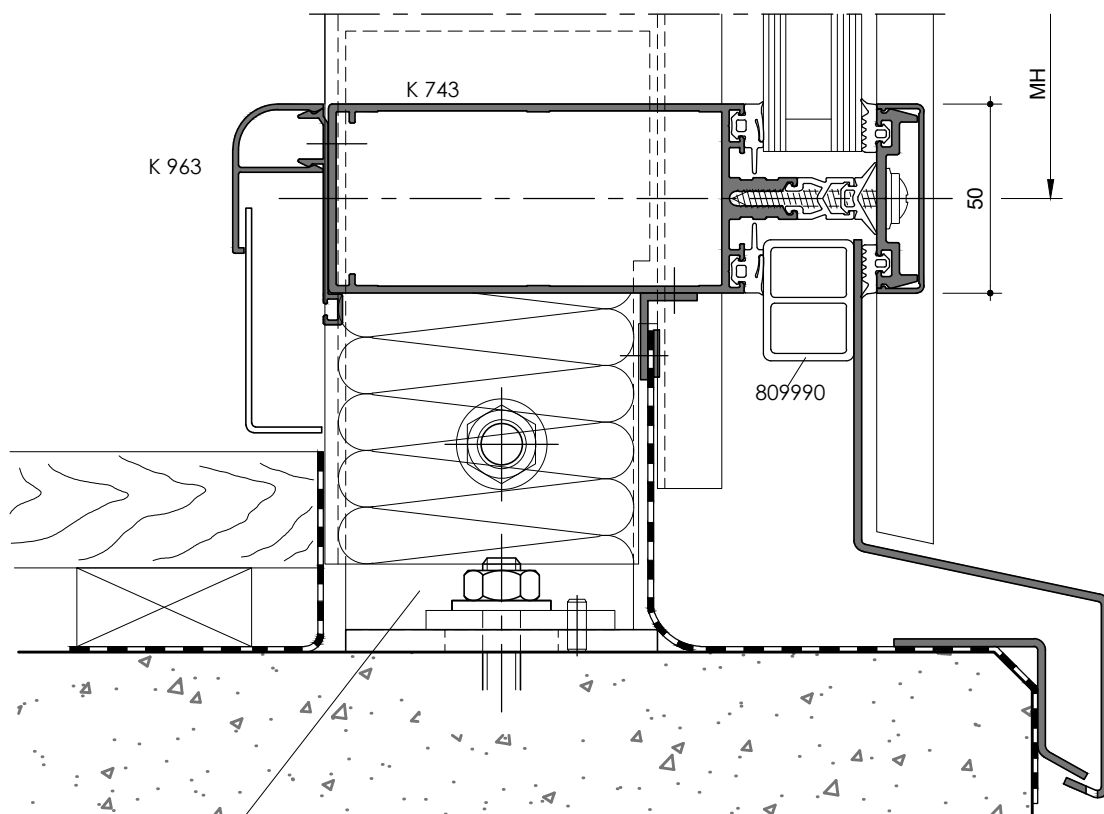
ATTACCO DI BASE PER MONTANTI BASE ANCHORING OF MULLION



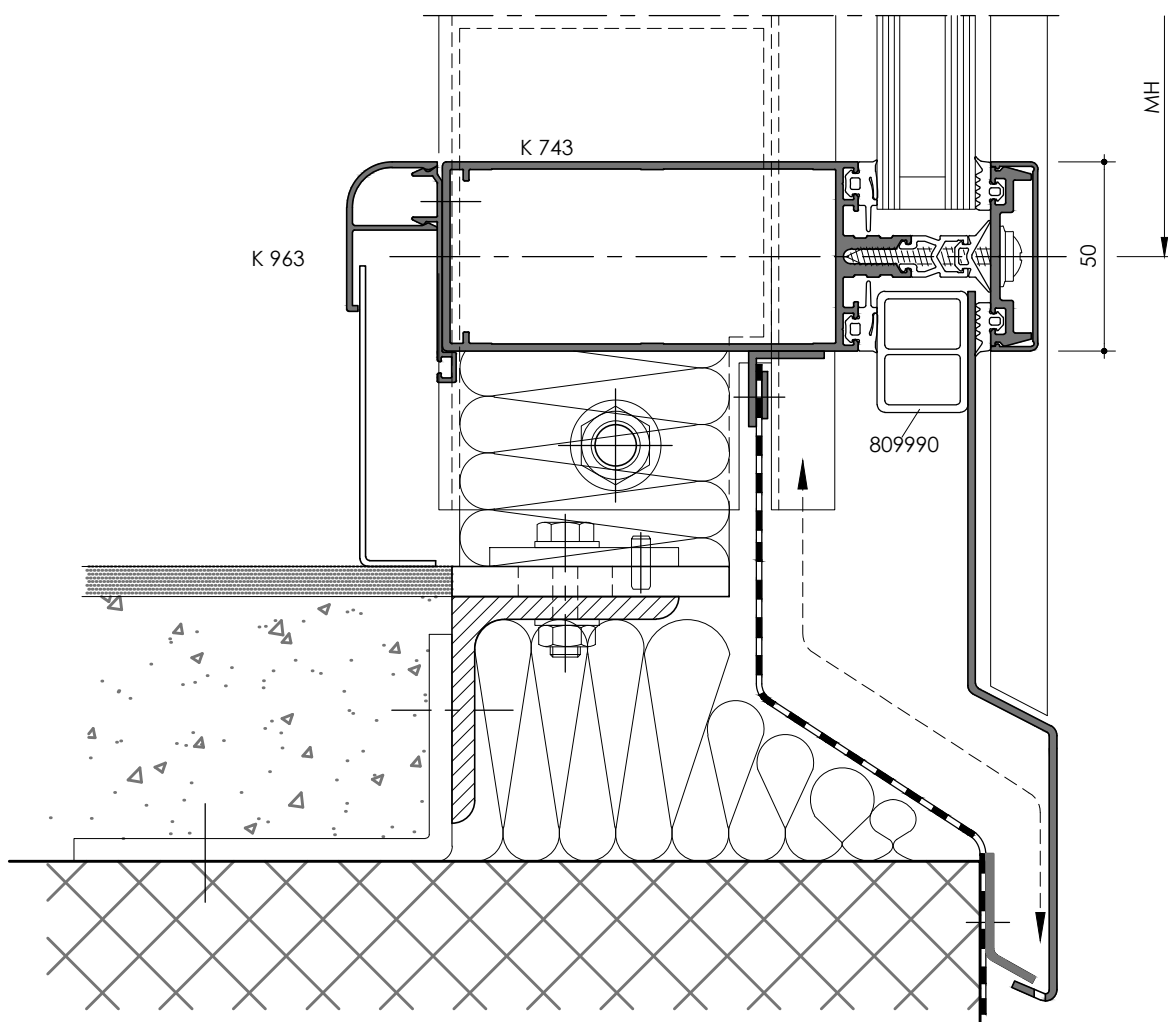
Isolamento con lana di roccia
Insulation with rock wool



ATTACCO DI BASE PER MONTANTI BASE ANCHORING OF MULLION

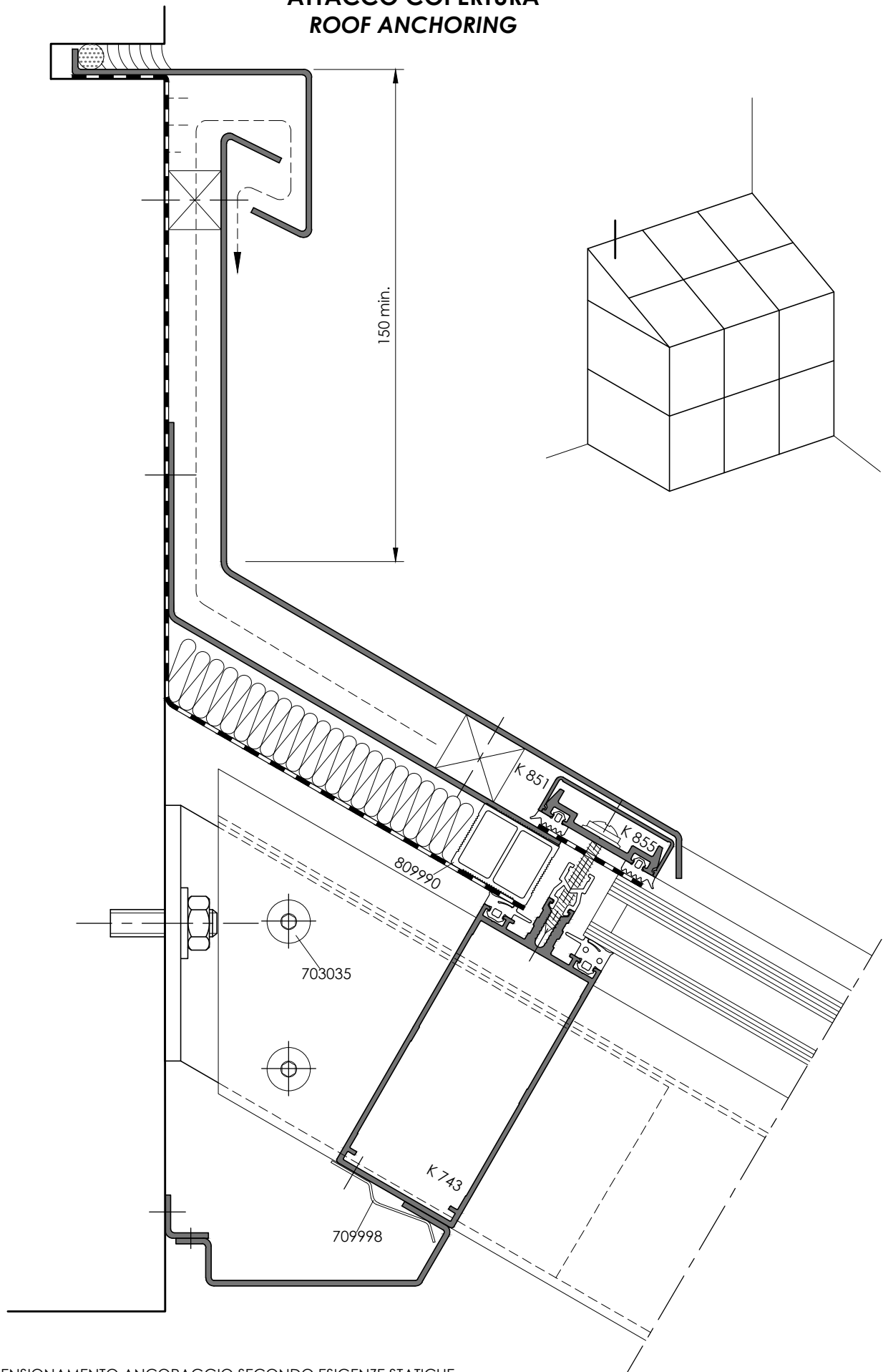


Isolamento con lana di roccia
Insulation with rock wool



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ATTACCO COPERTURA ROOF ANCHORING

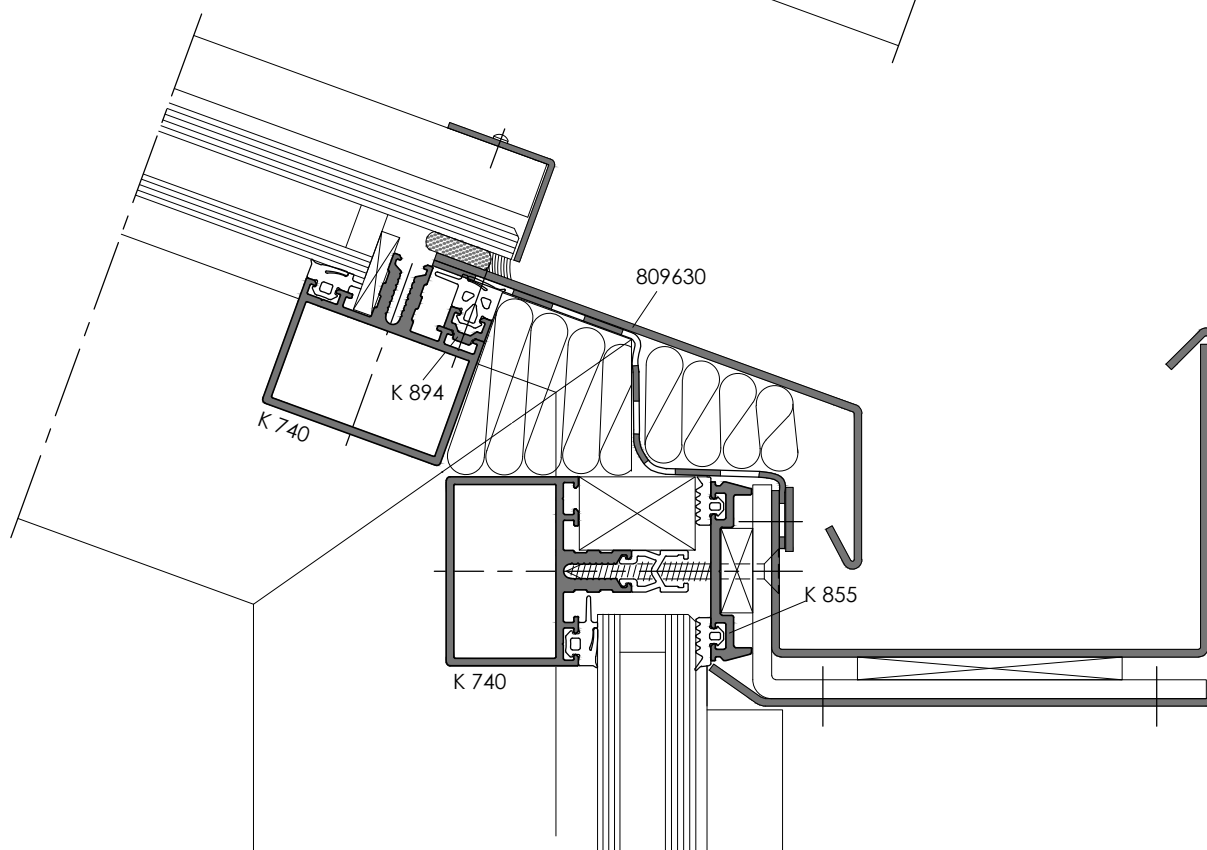
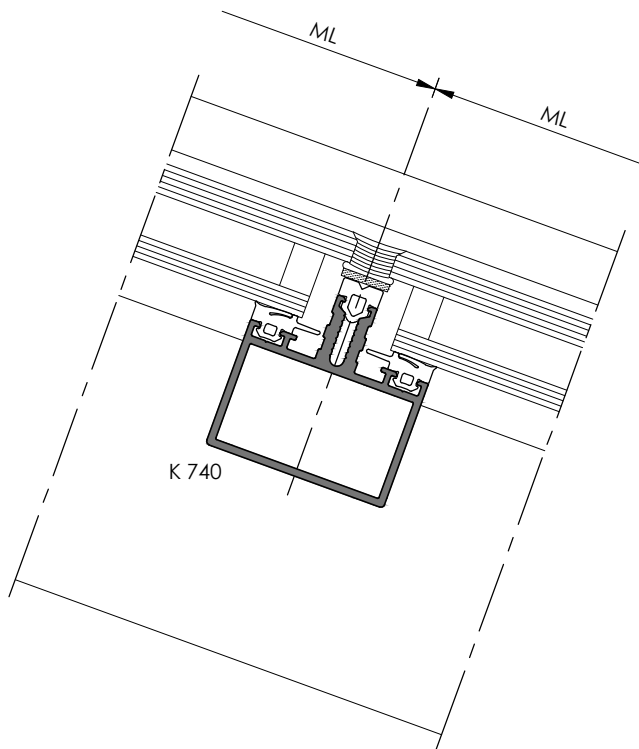
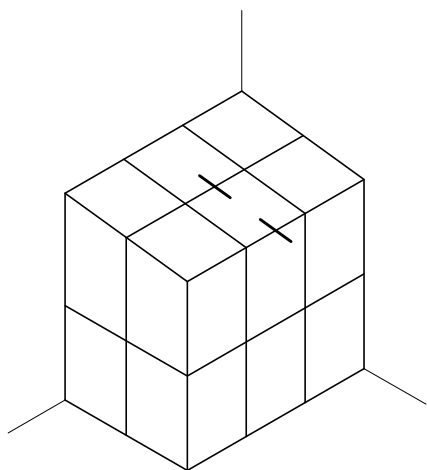


DIMENSIONAMENTO ANCORAGGIO SECONDO ESIGENZE STATICHE
ANCHOR SIZES CALCULATED ACCORDING TO STATIC LOADS

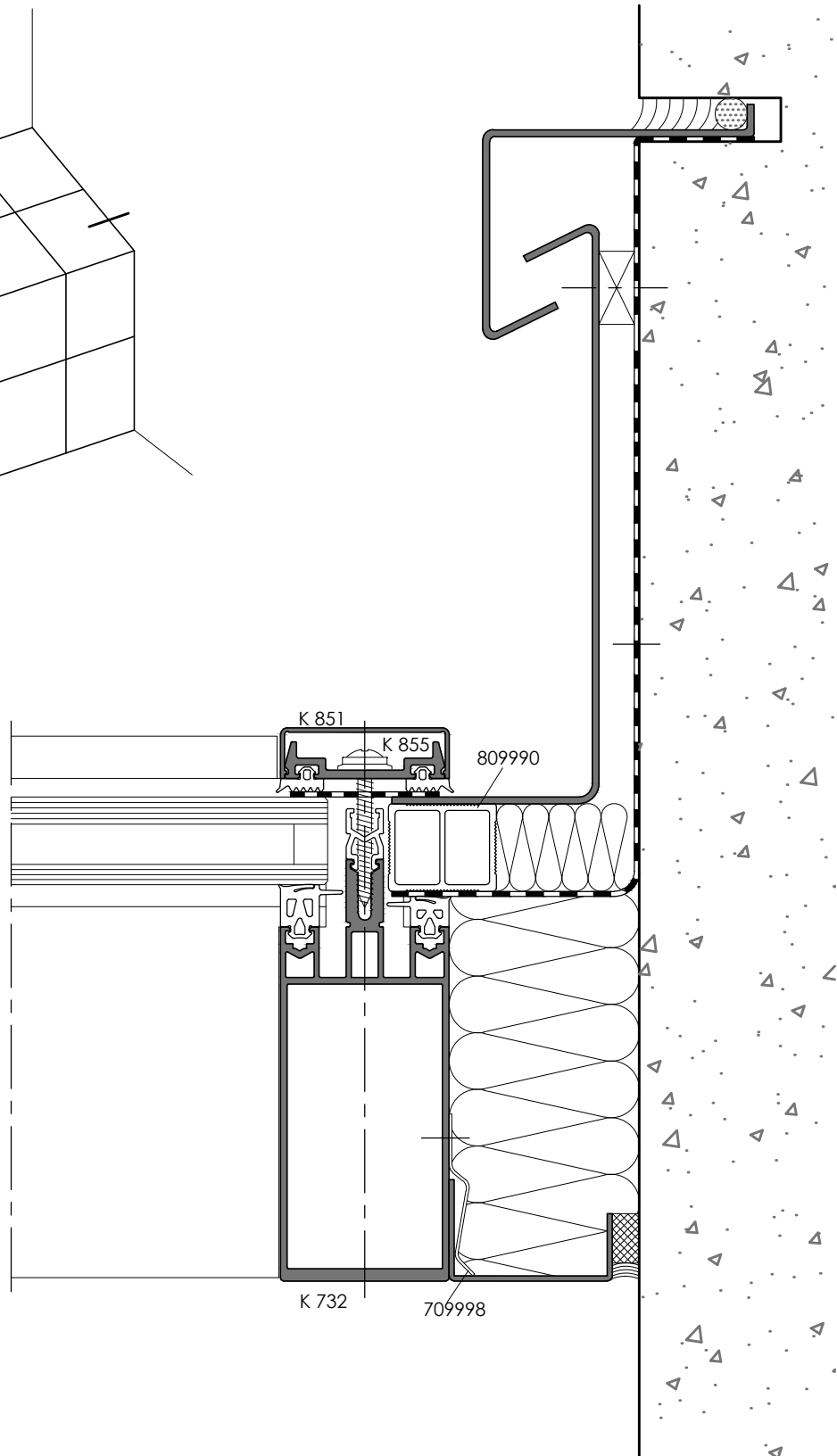
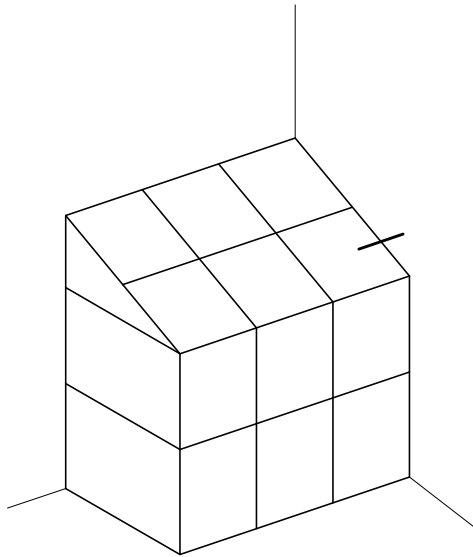
SEZIONI DI COPERTURA ROOF DETAILS

PER QUESTA SOLUZIONE VEDI
NOTA A PAGINA 6.33

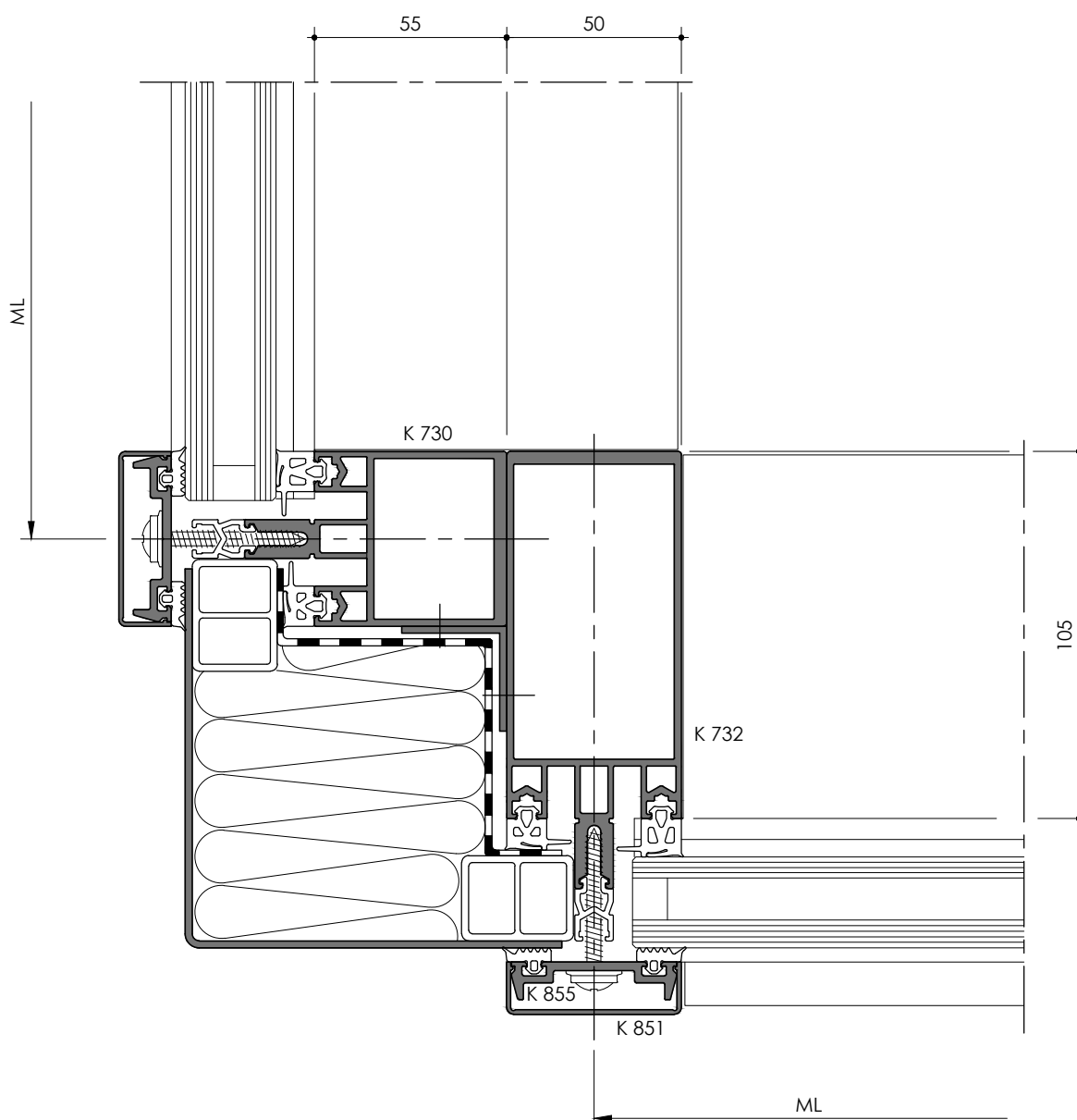
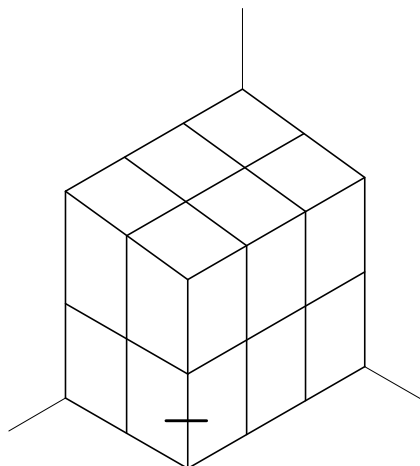
FOR THIS SOLUTION, SEE ON
PAGE 6.33

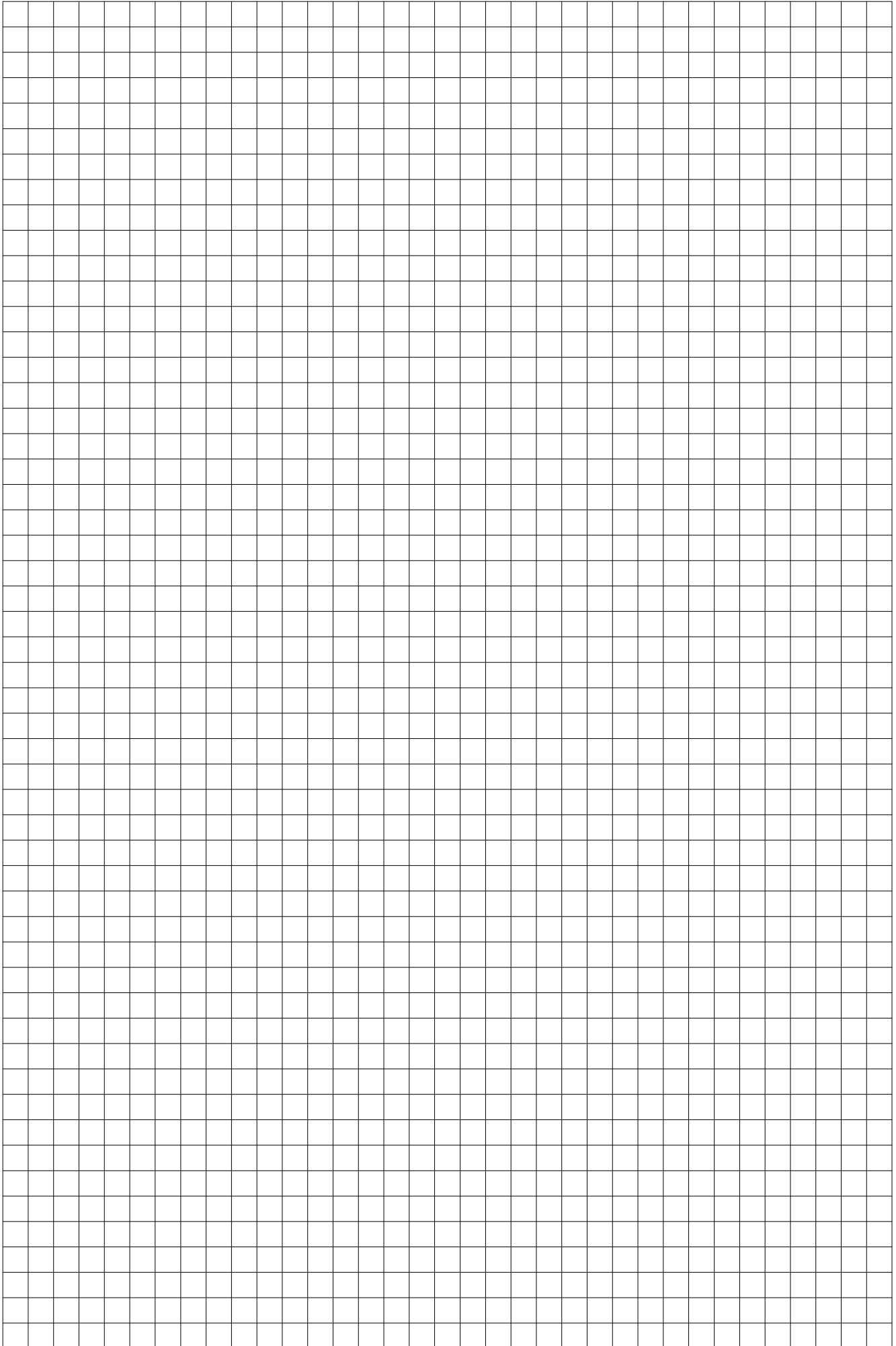


ATTACCO COPERTURA ROOF ANCHORING

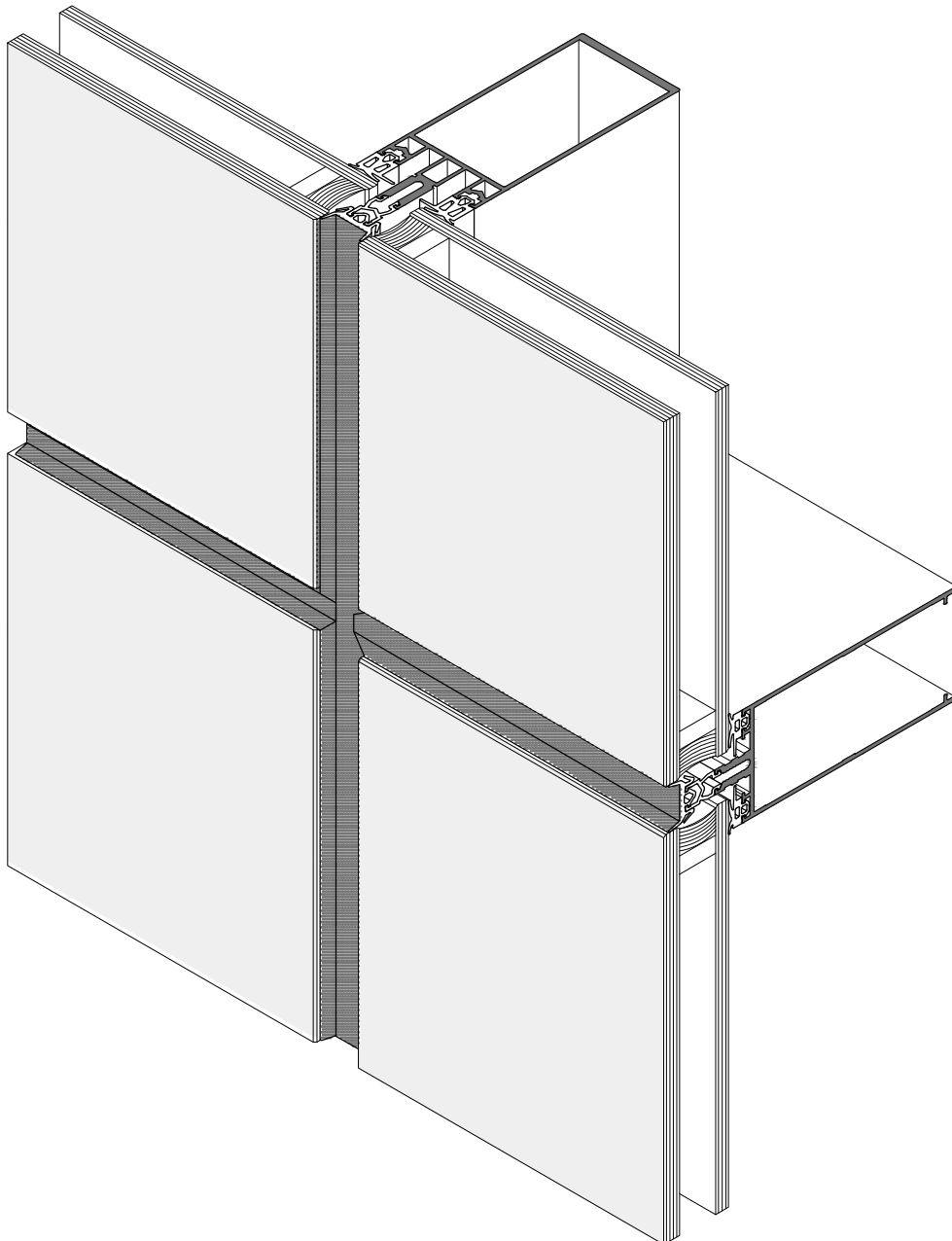


SEZIONE D'ANGOLO ANGLE DETAILS

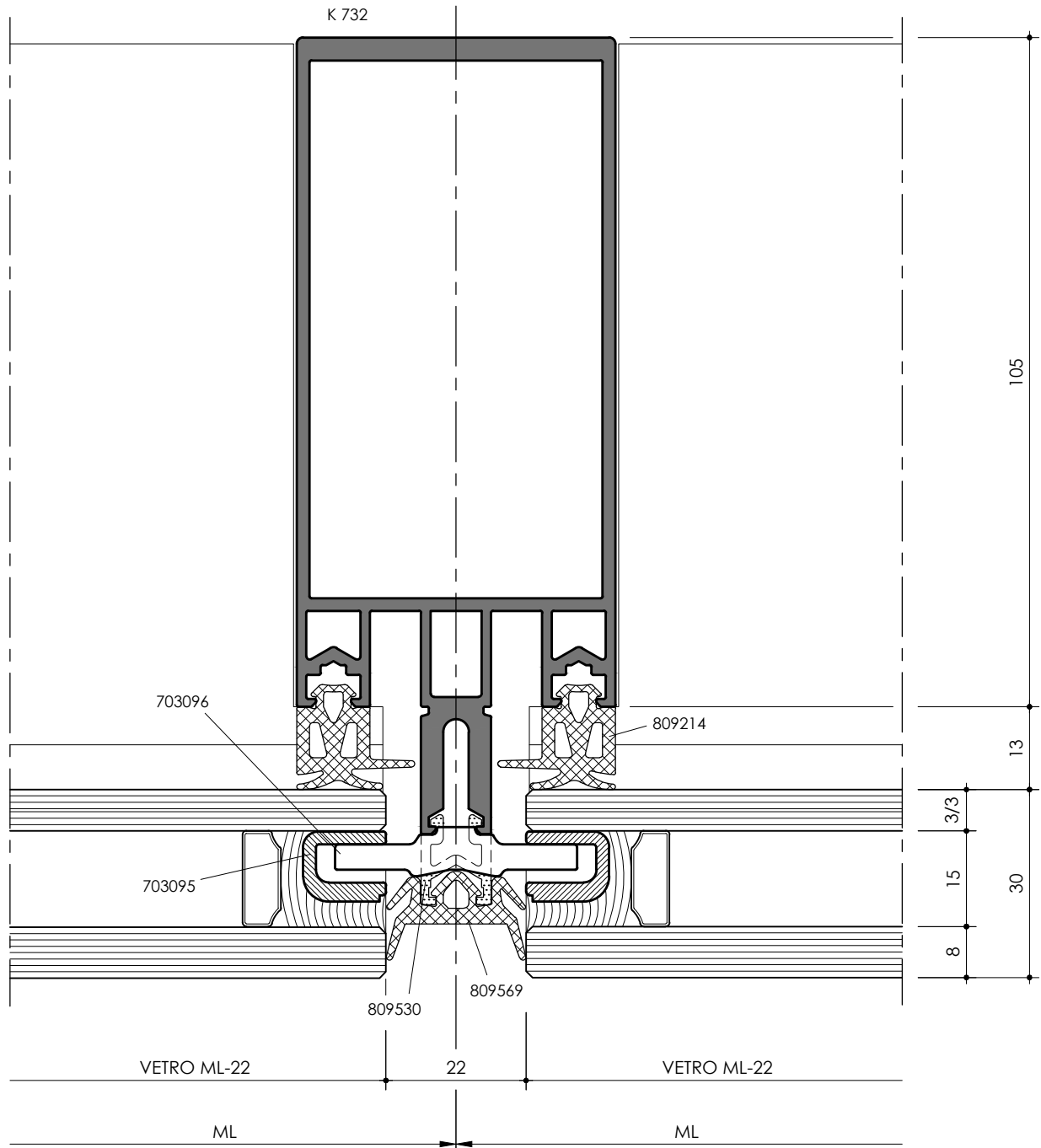
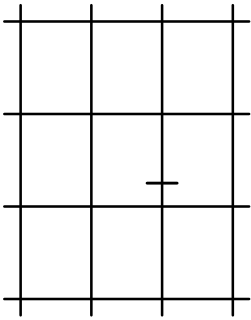




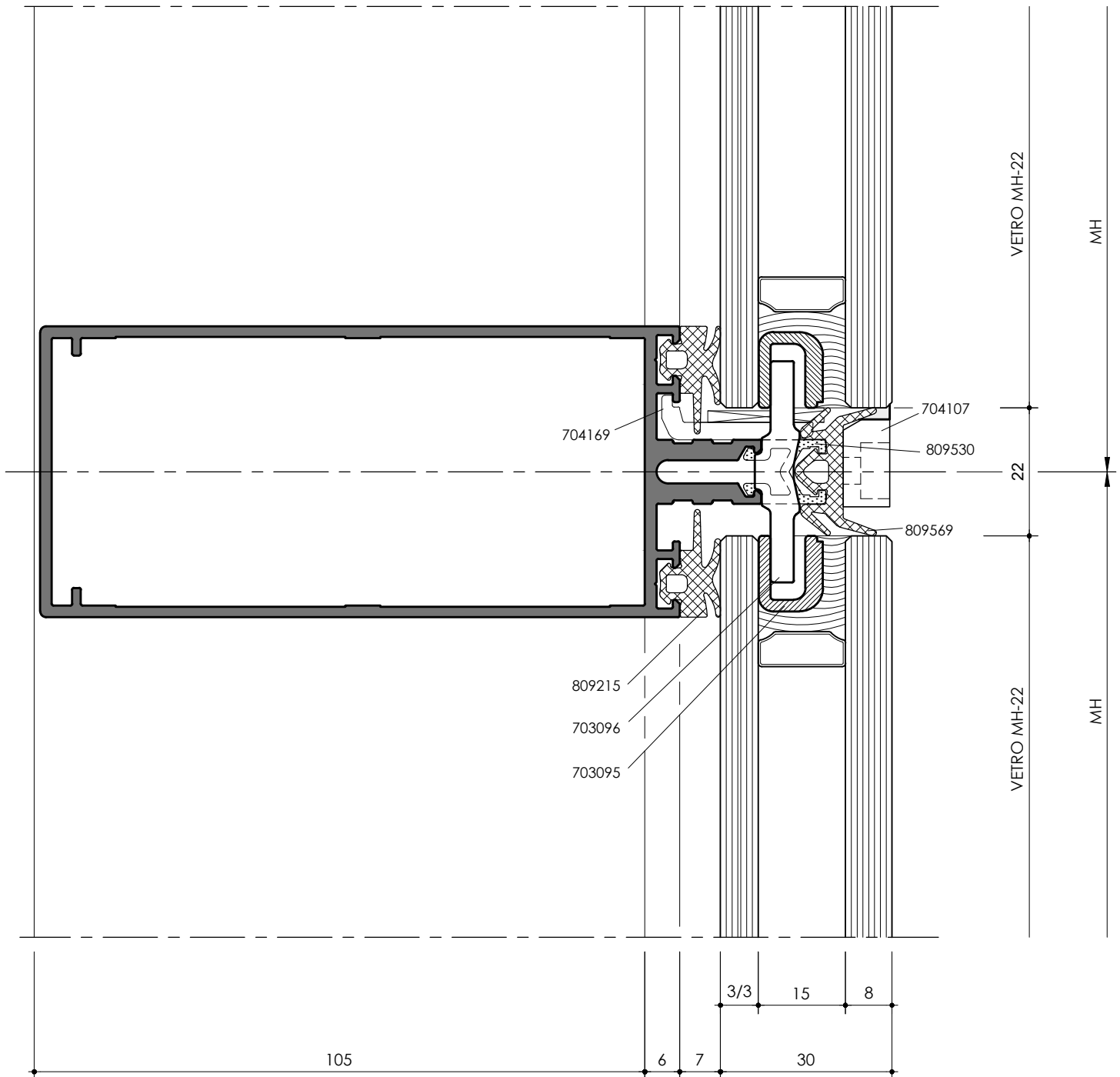
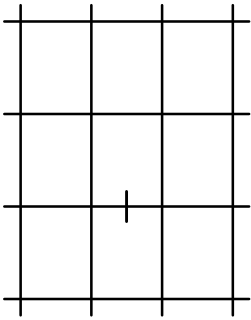
SEZIONI TIPICHE SG50S
SG50S TYPICAL DETAILS

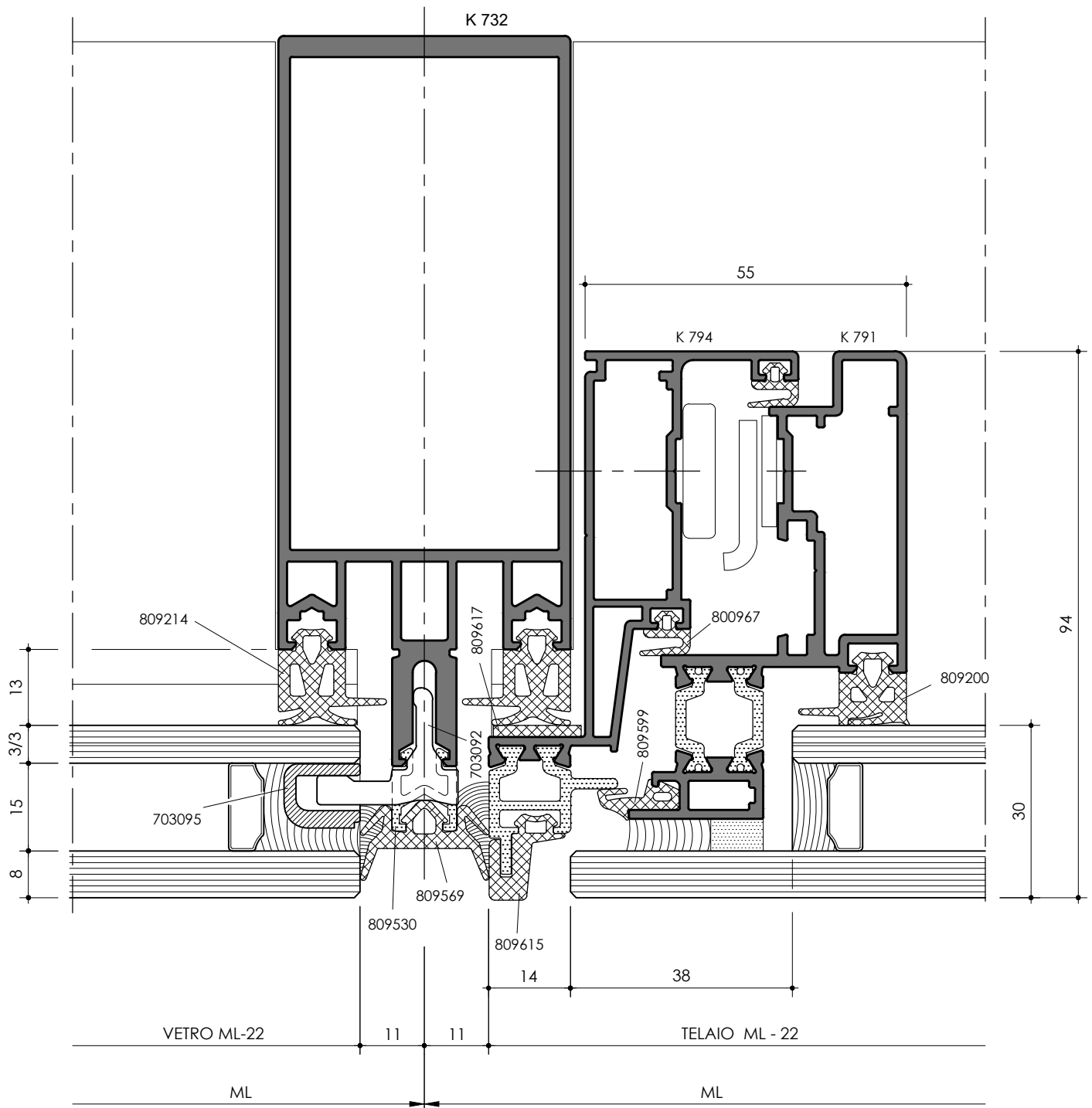
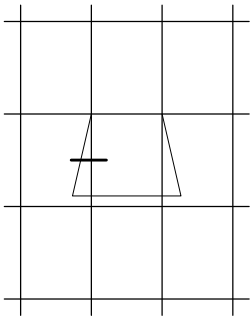


SL	SG - S
	●

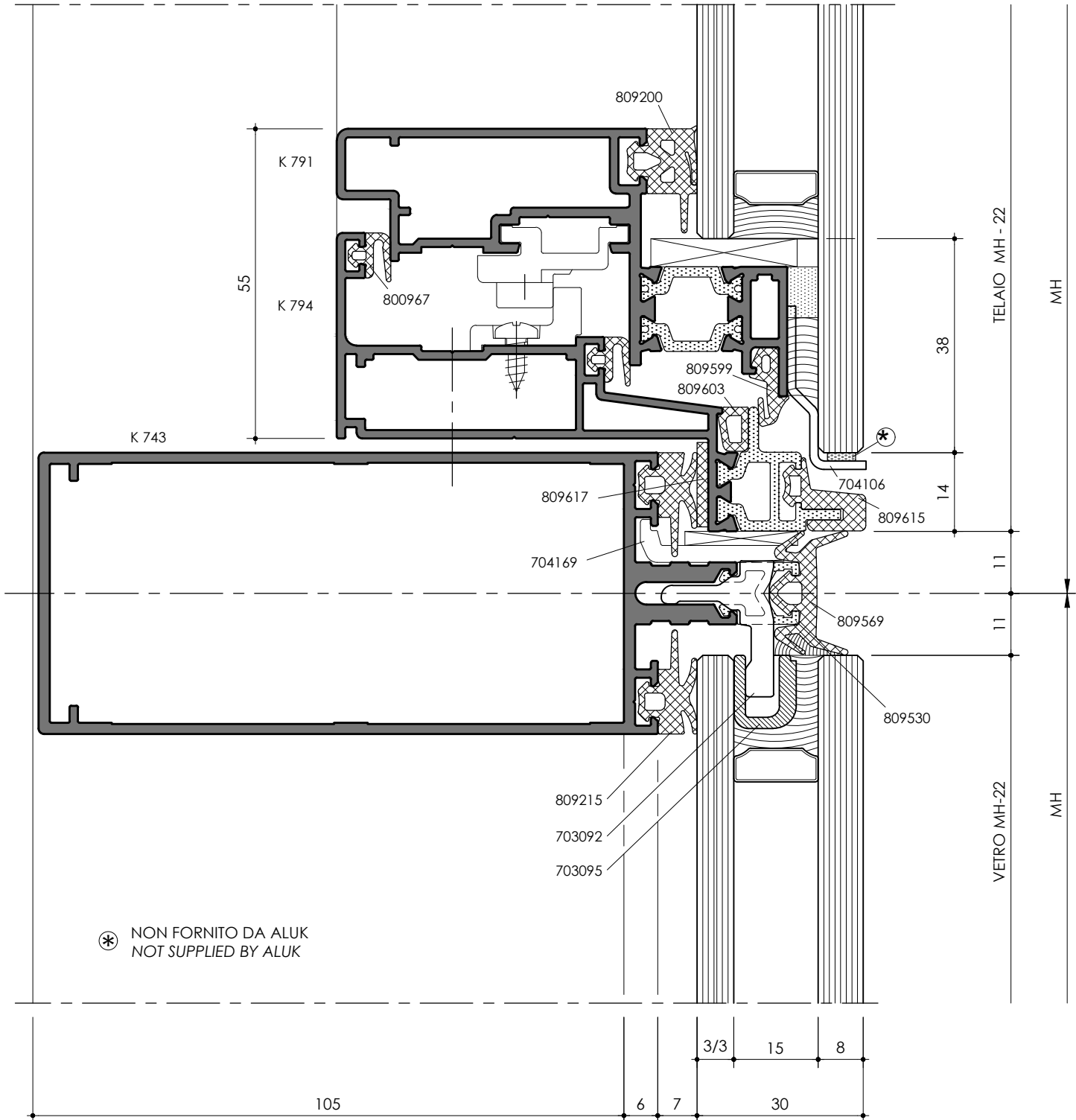
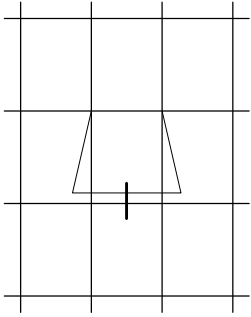


SL	SG - S
	●

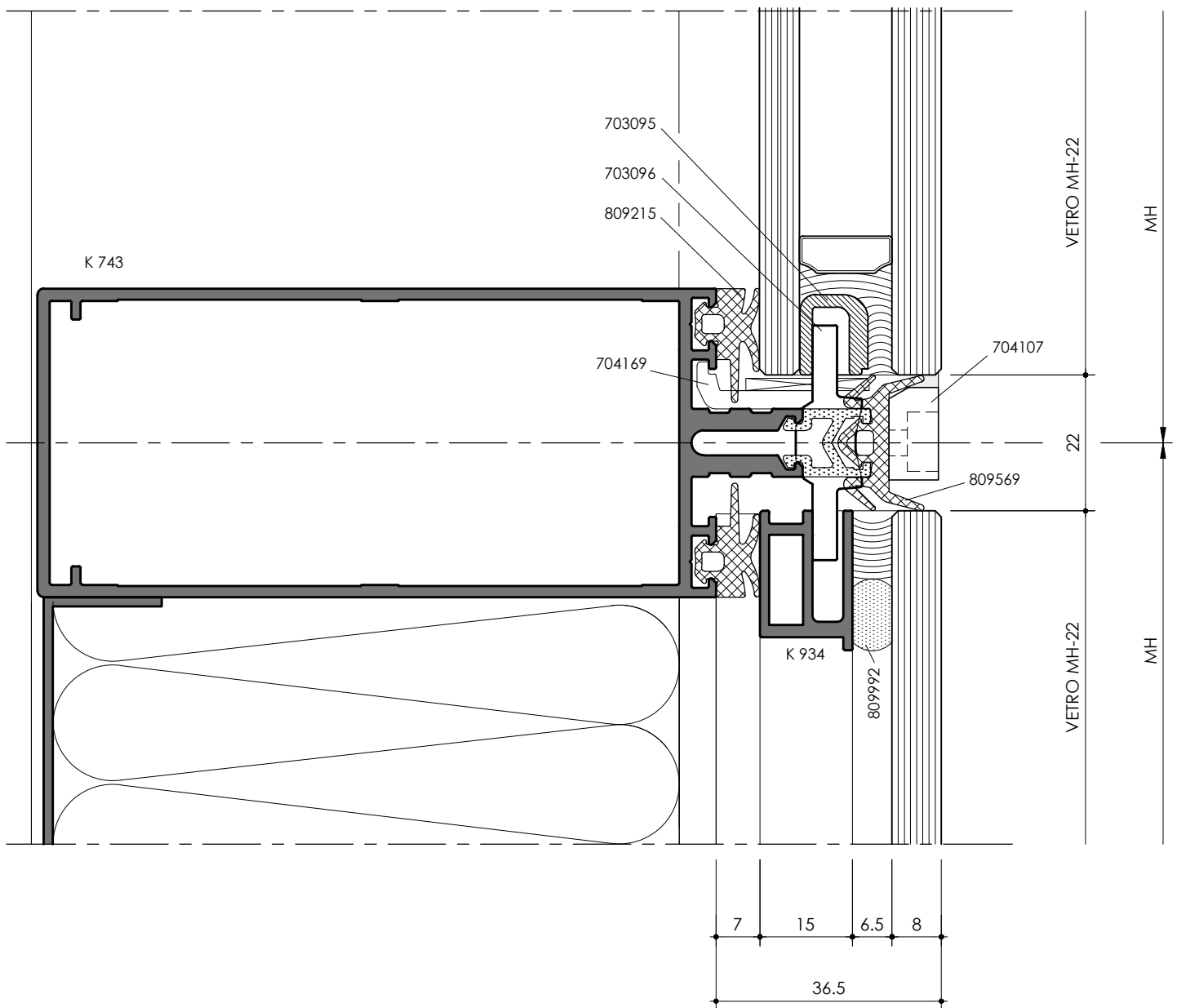
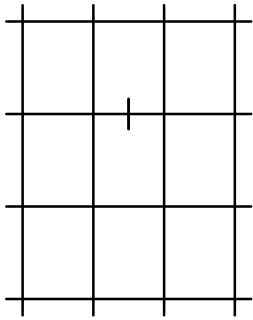




SL	SG - S
	●

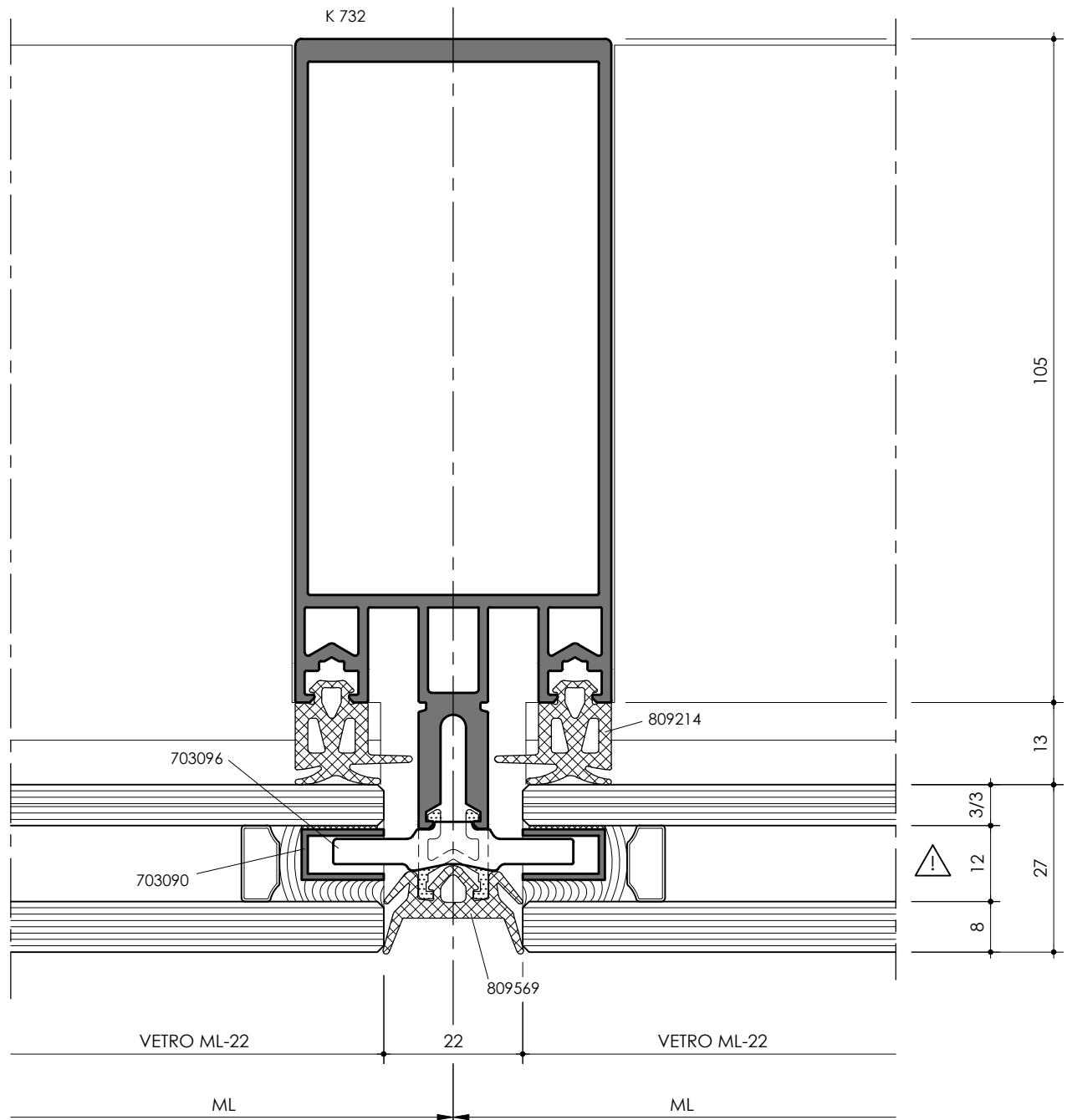


SL	SG - S
	●





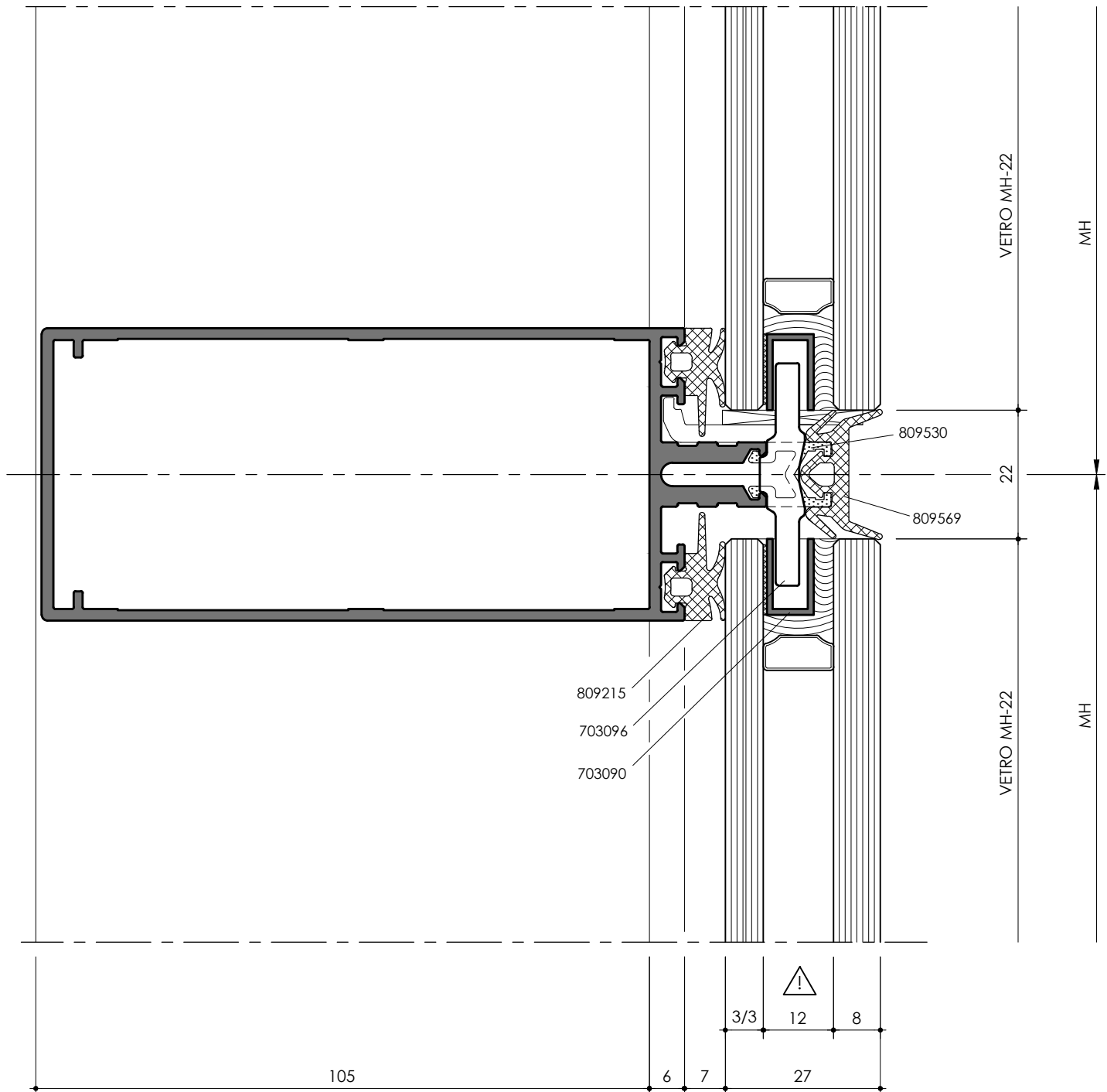
A RICHIESTA
AVAILABLE ON REQUEST



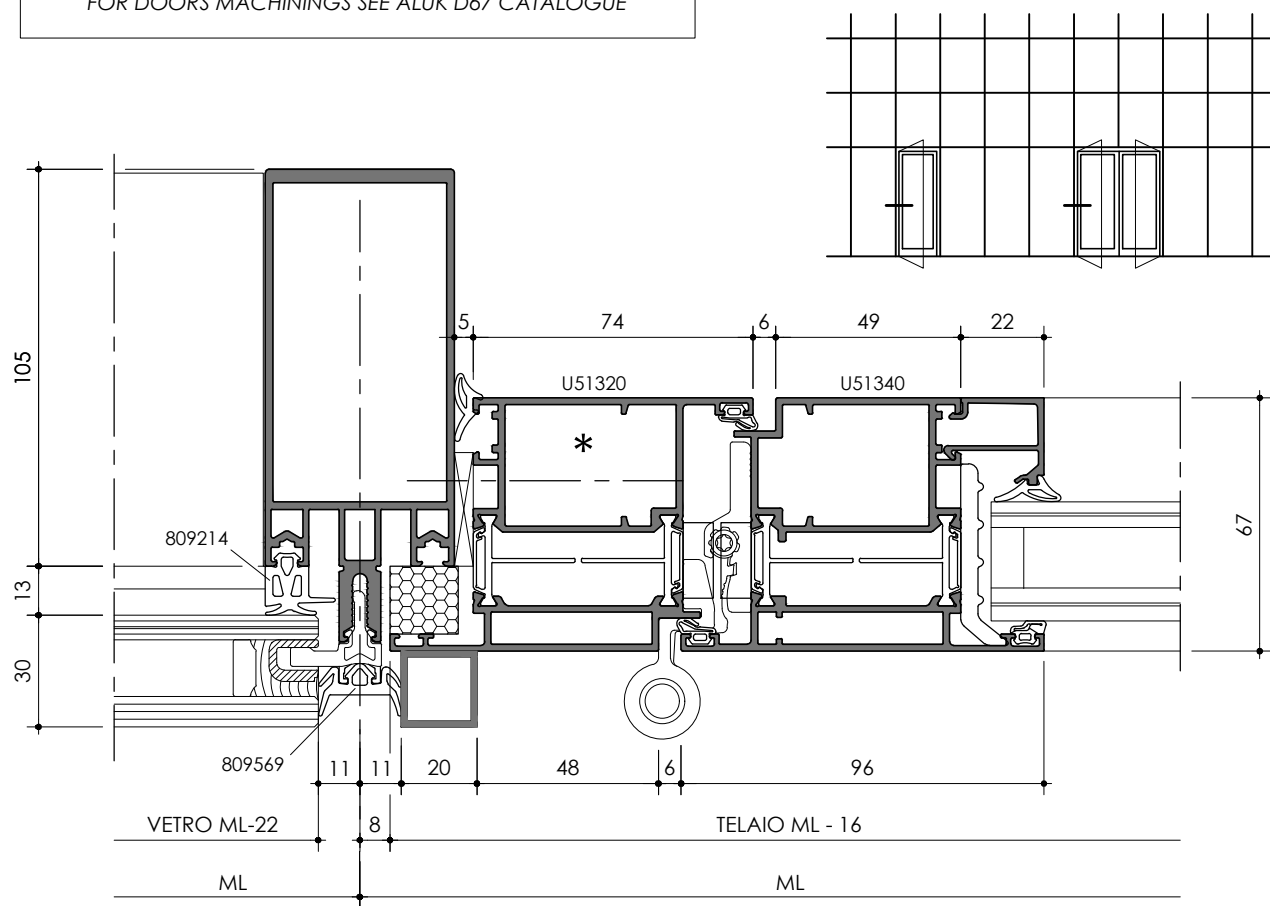
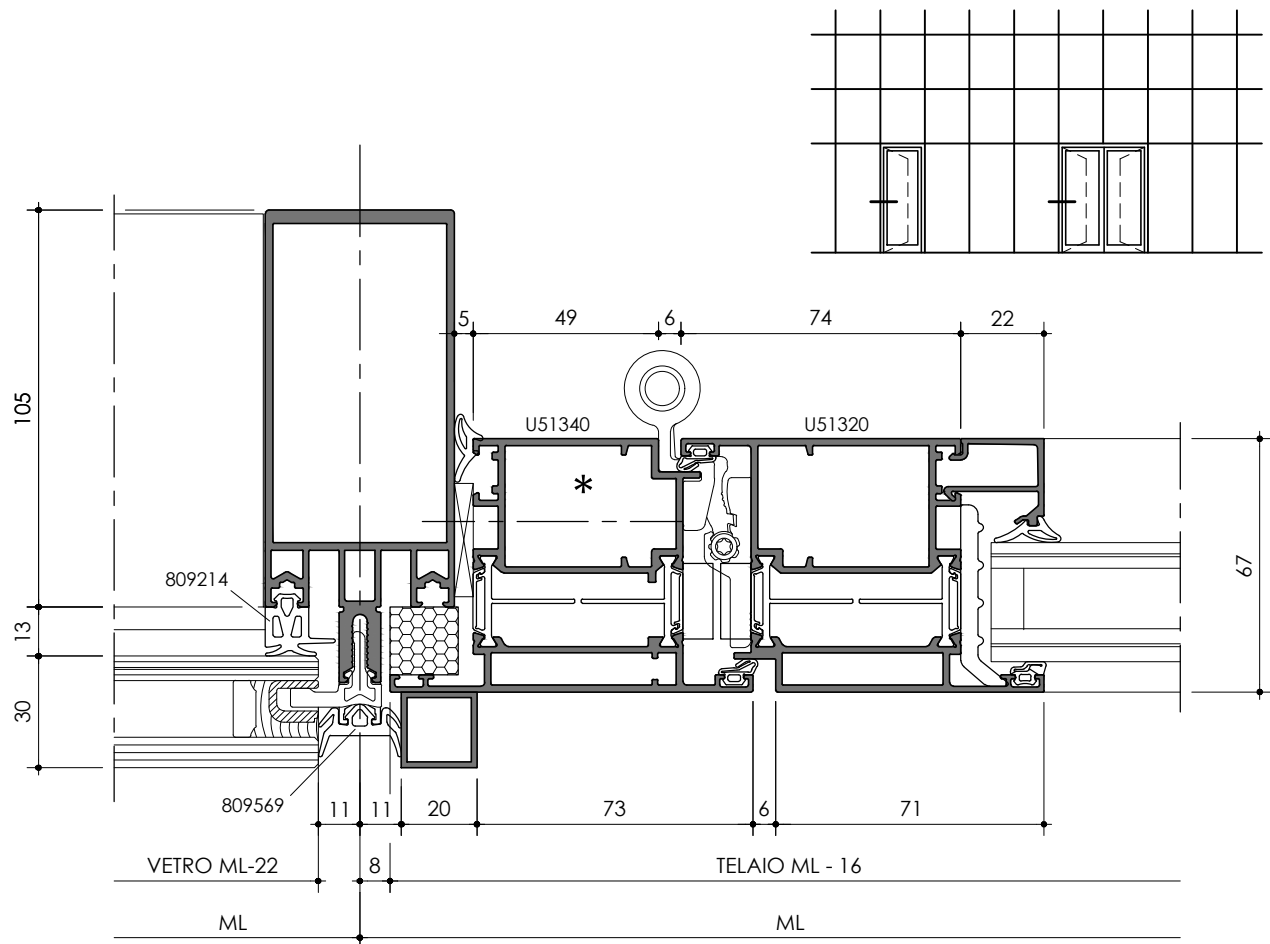
Per distanziali vetro $\neq$ 15 mm, utilizzare canalino 703090
For glass spacers $\neq$ 15 mm, use art. 703090

SL	SG - S
	●

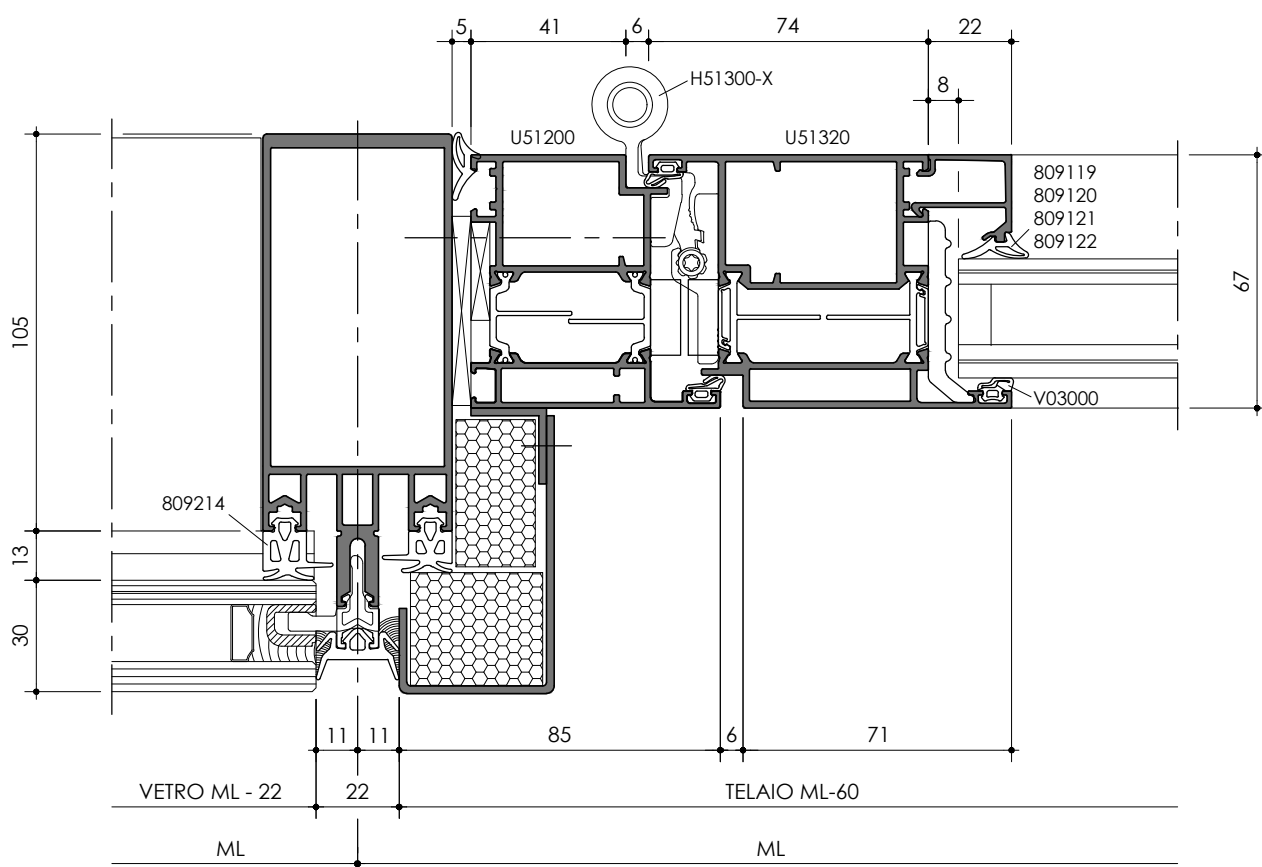
A RICHIESTA
AVAILABLE ON REQUEST



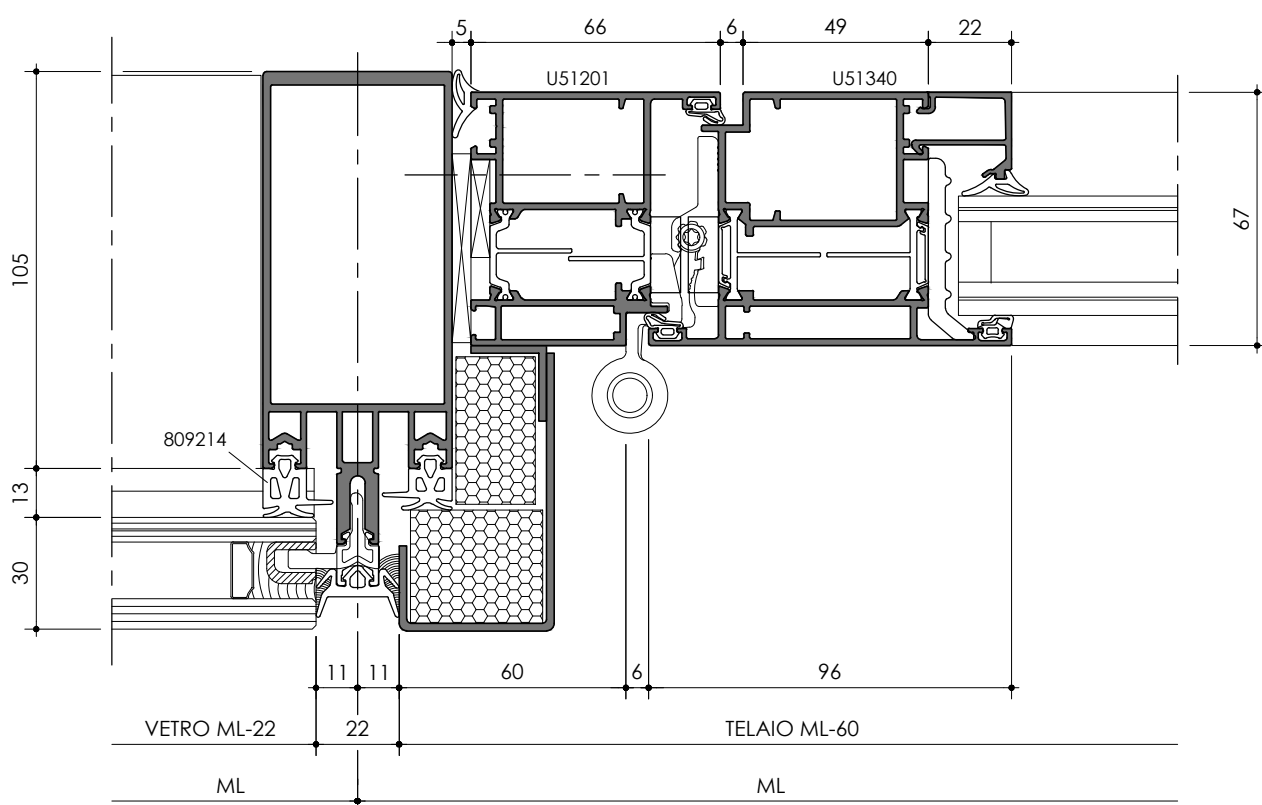
Per distanziali vetro $\neq$ 15 mm, utilizzare canalino 703090
For glass spacers $\neq$ 15 mm, use art. 703090



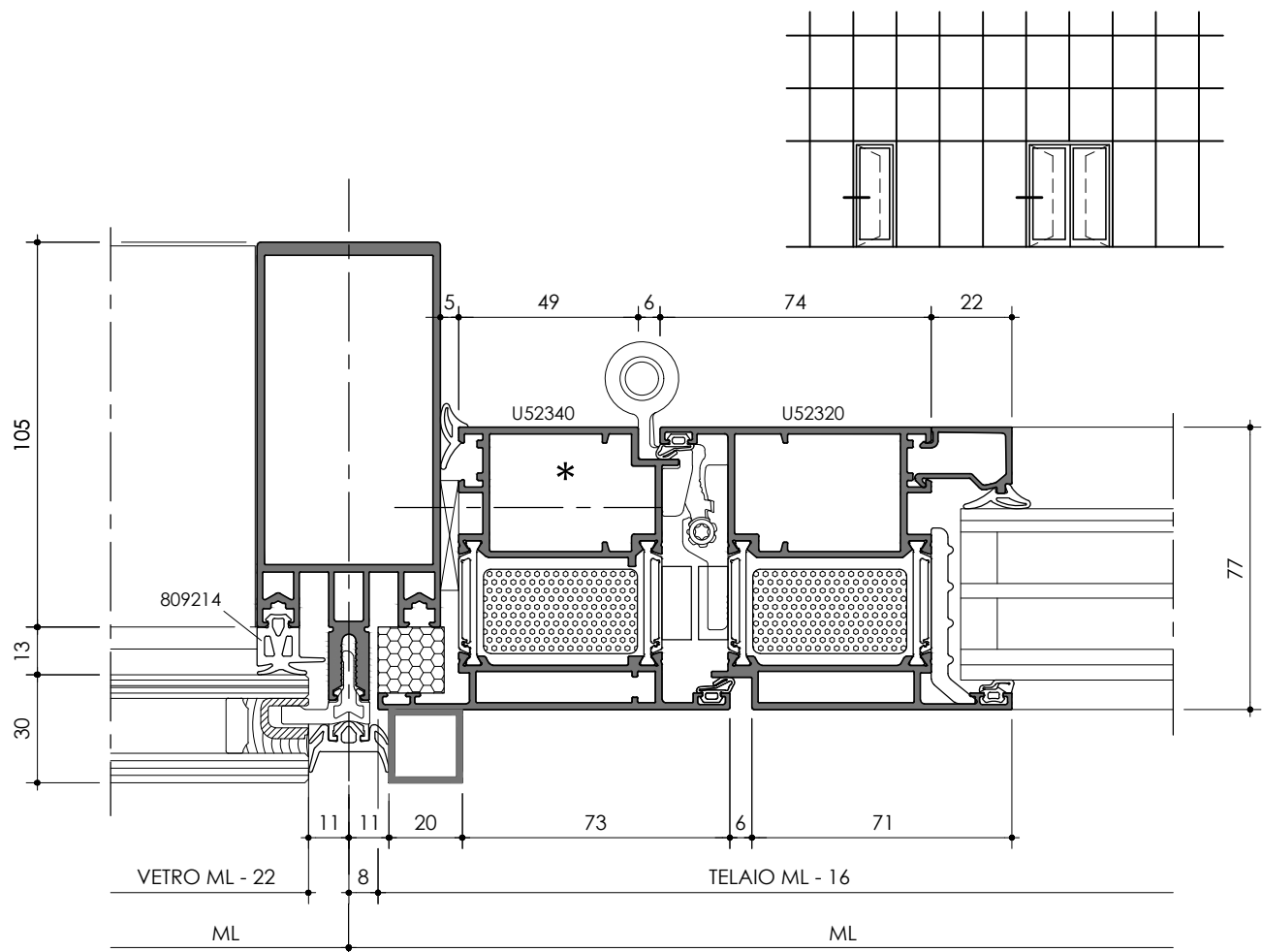
* ATTENZIONE! SQUADRETTA DA RIFORARE - CONTATTARE L'UFFICIO TECNICO
WARNING! CORNER JOINT TO REDRILL - CONTACT THE TECHNICAL DEPARTMENT



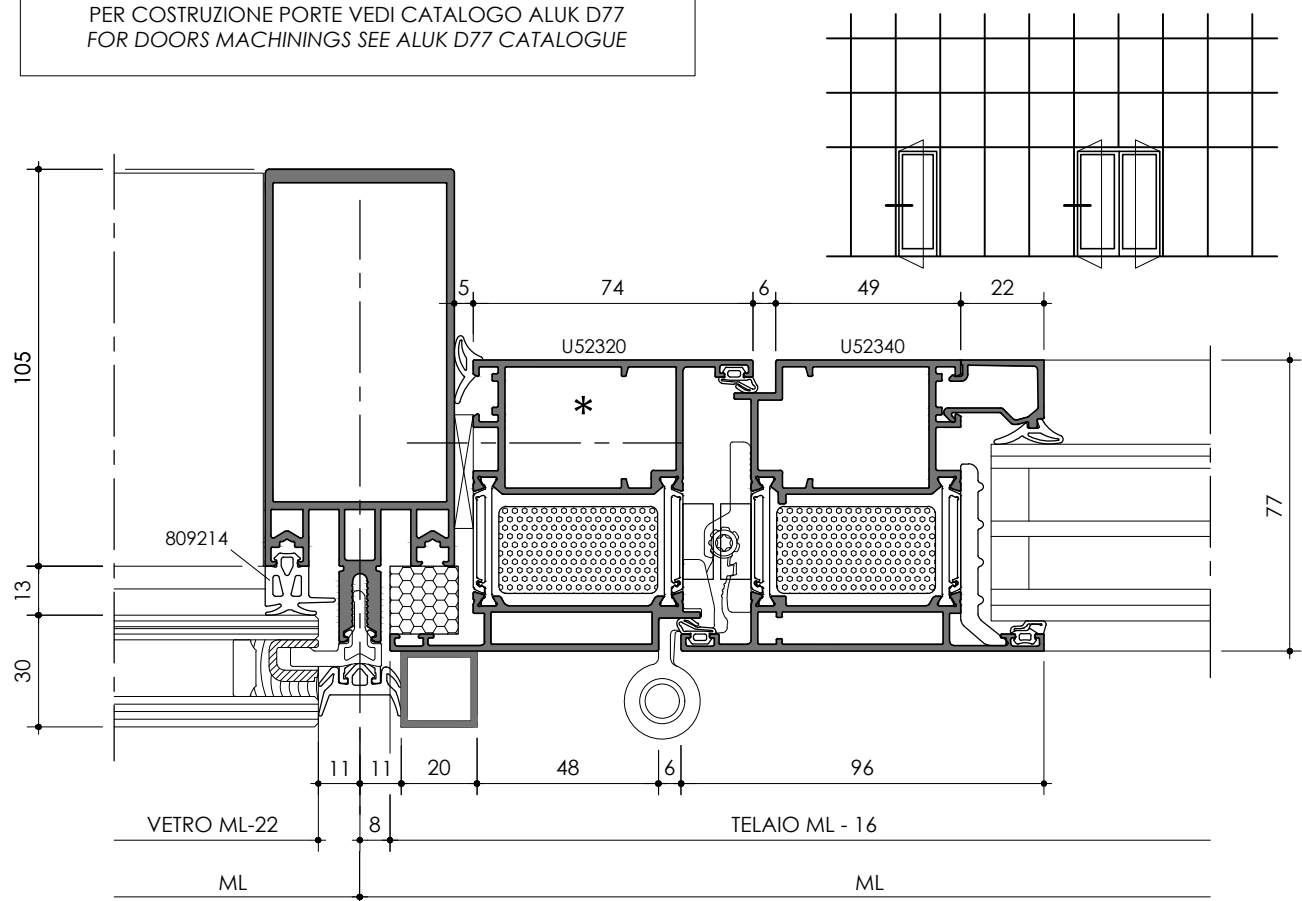
PER COSTRUZIONE PORTE VEDI CATALOGO D67
FOR DOORS MACHININGS SEE ALUK D67 CATALOGUE



SL	SG - S
	●

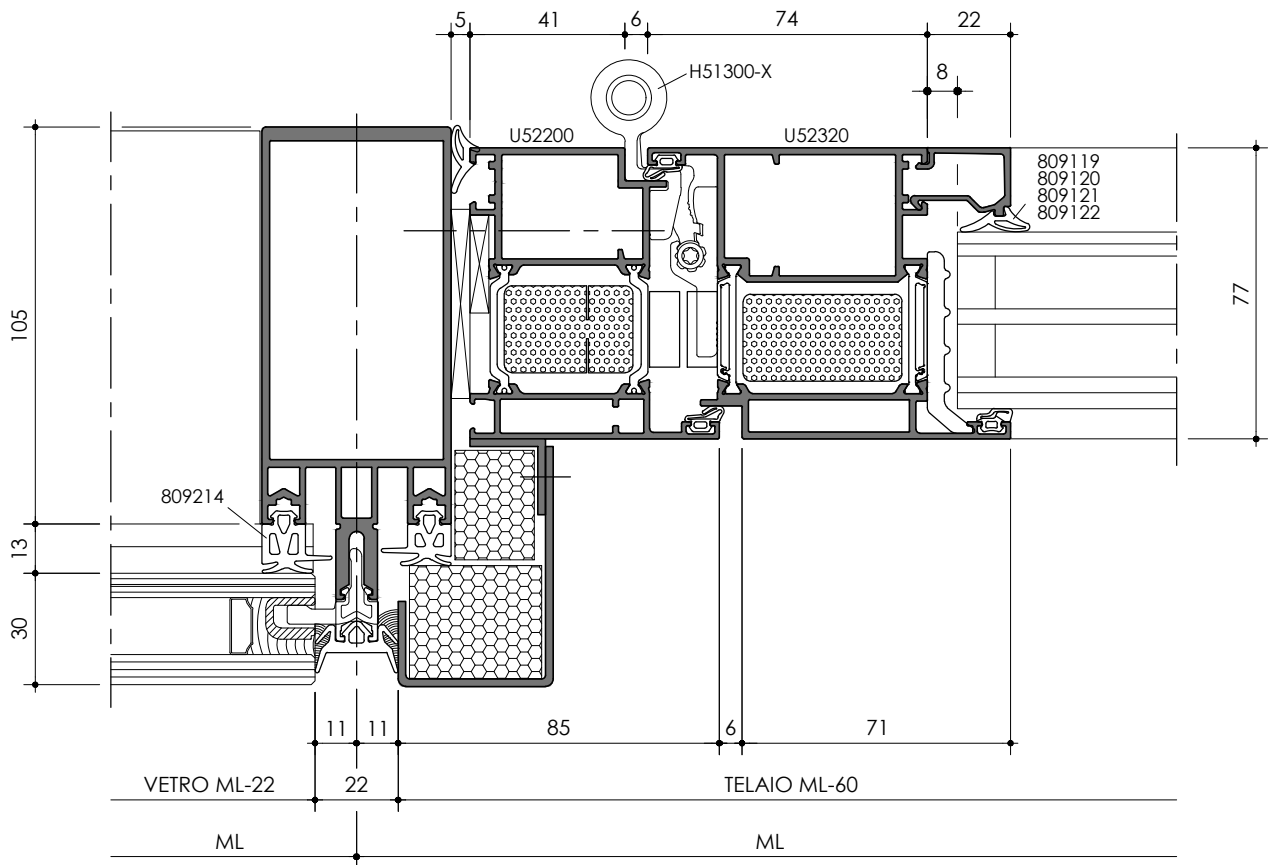


PER COSTRUZIONE PORTE VEDI CATALOGO ALUK D77
FOR DOORS MACHININGS SEE ALUK D77 CATALOGUE

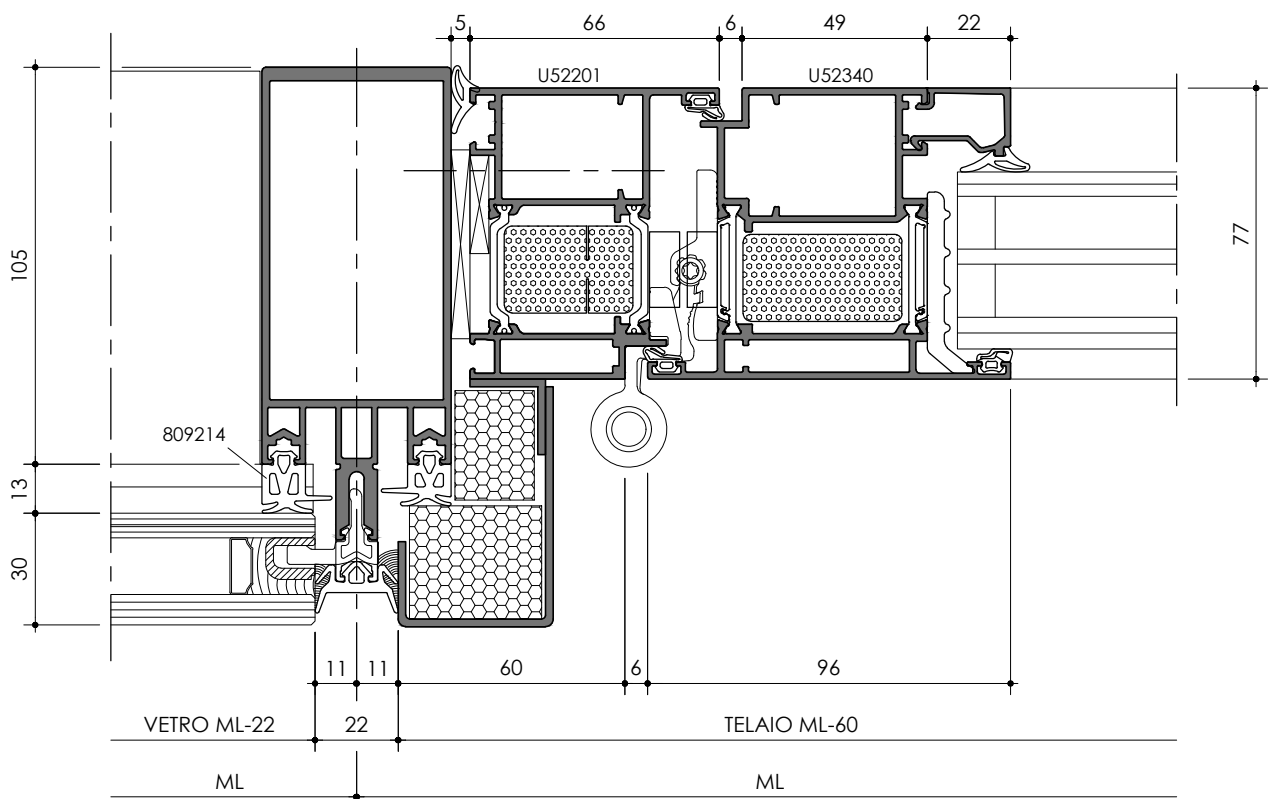


* ATTENZIONE! SQUADRETTA DA RIFORARE - CONTATTARE L'UFFICIO TECNICO
WARNING! CORNER JOINT TO REDRILL - CONTACT THE TECHNICAL DEPARTMENT

SL	SG - S
	●

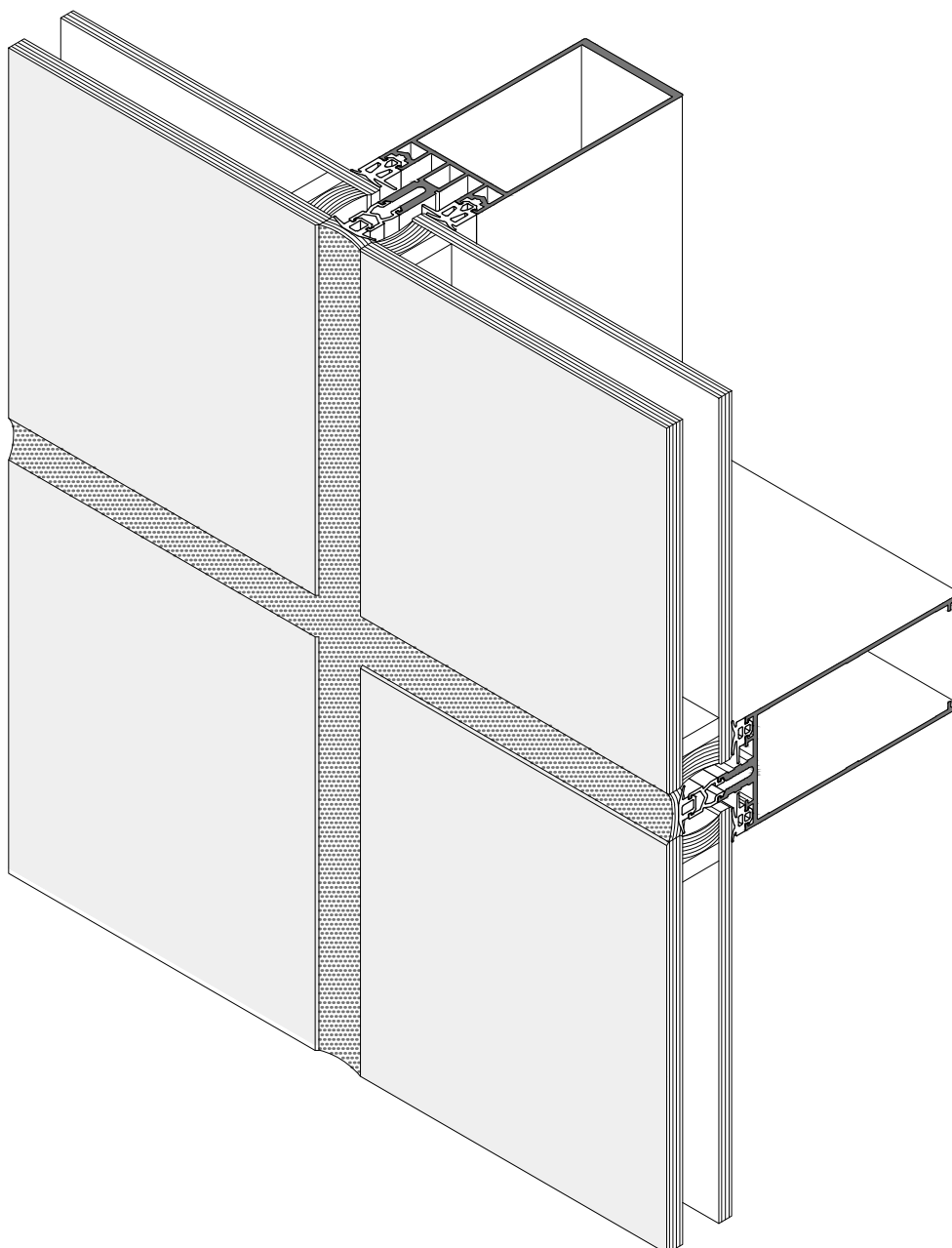


PER COSTRUZIONE PORTE VEDI CATALOGO D77
FOR DOORS MACHININGS SEE ALUK D77 CATALOGUE

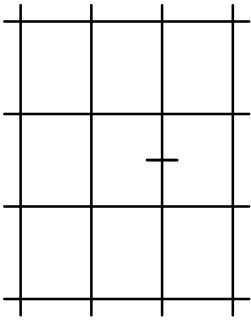


SL	SG
	●

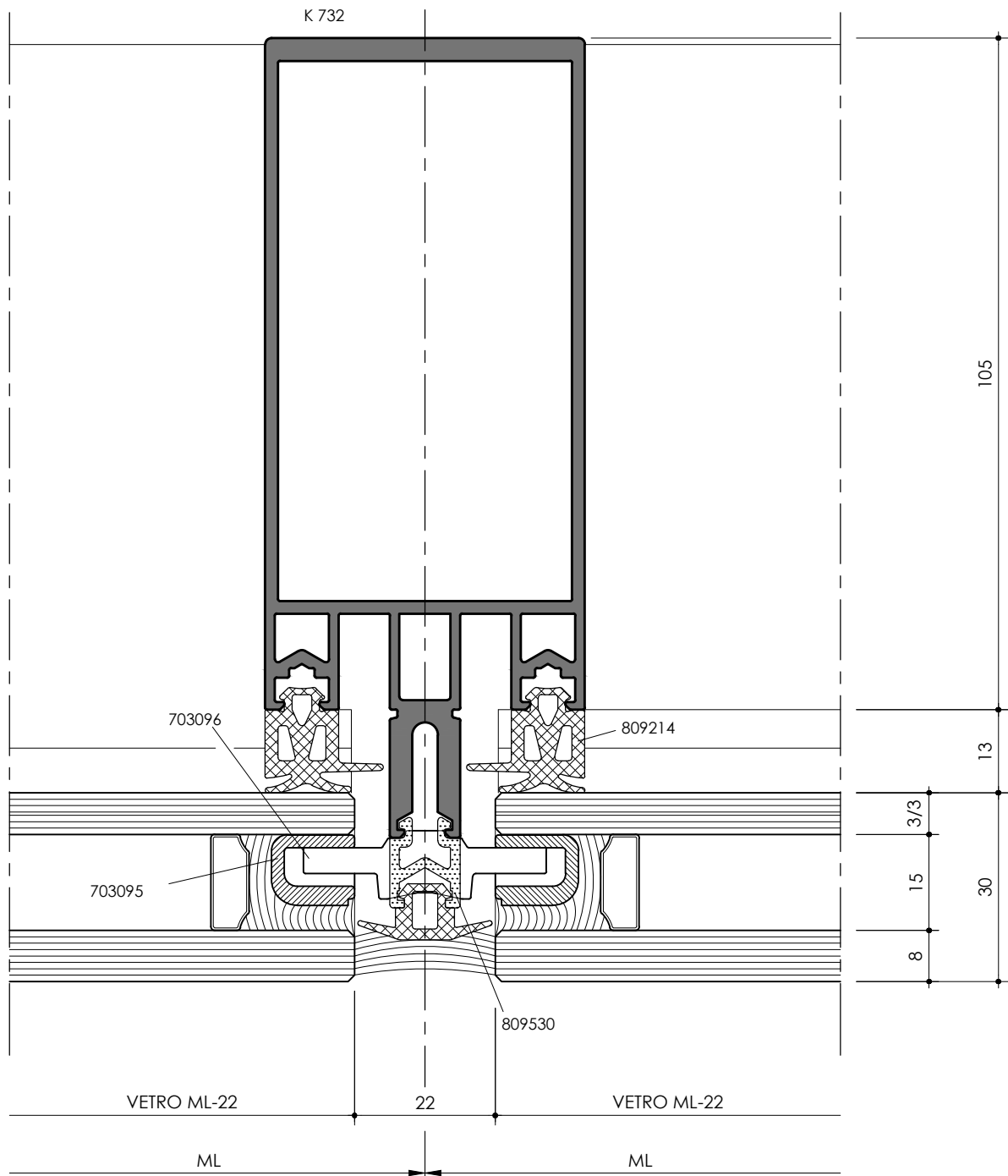
SEZIONI TIPICHE SG50C
SG50C TYPICAL DETAILS



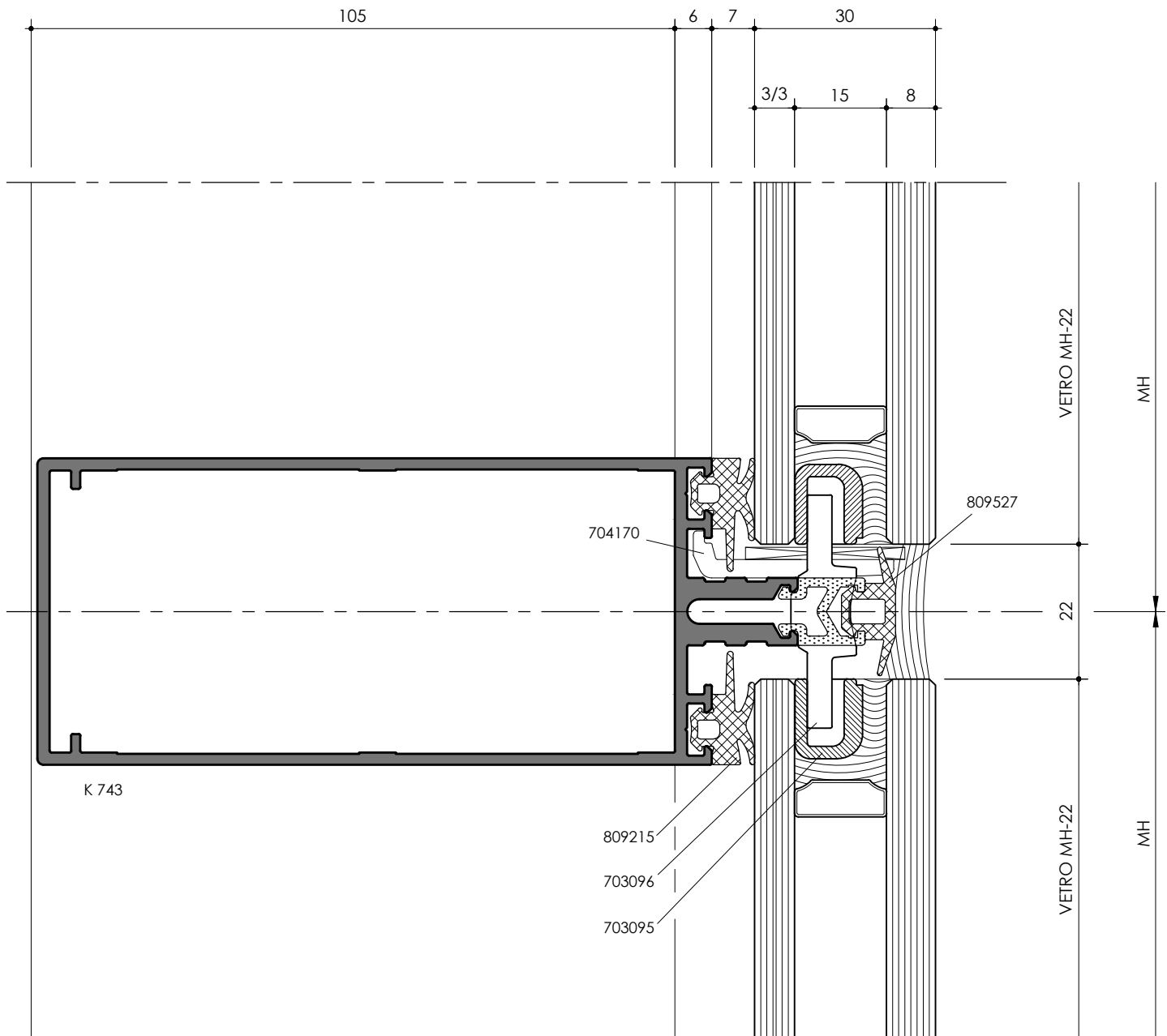
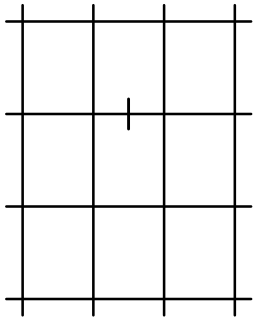
SL	SG
	●



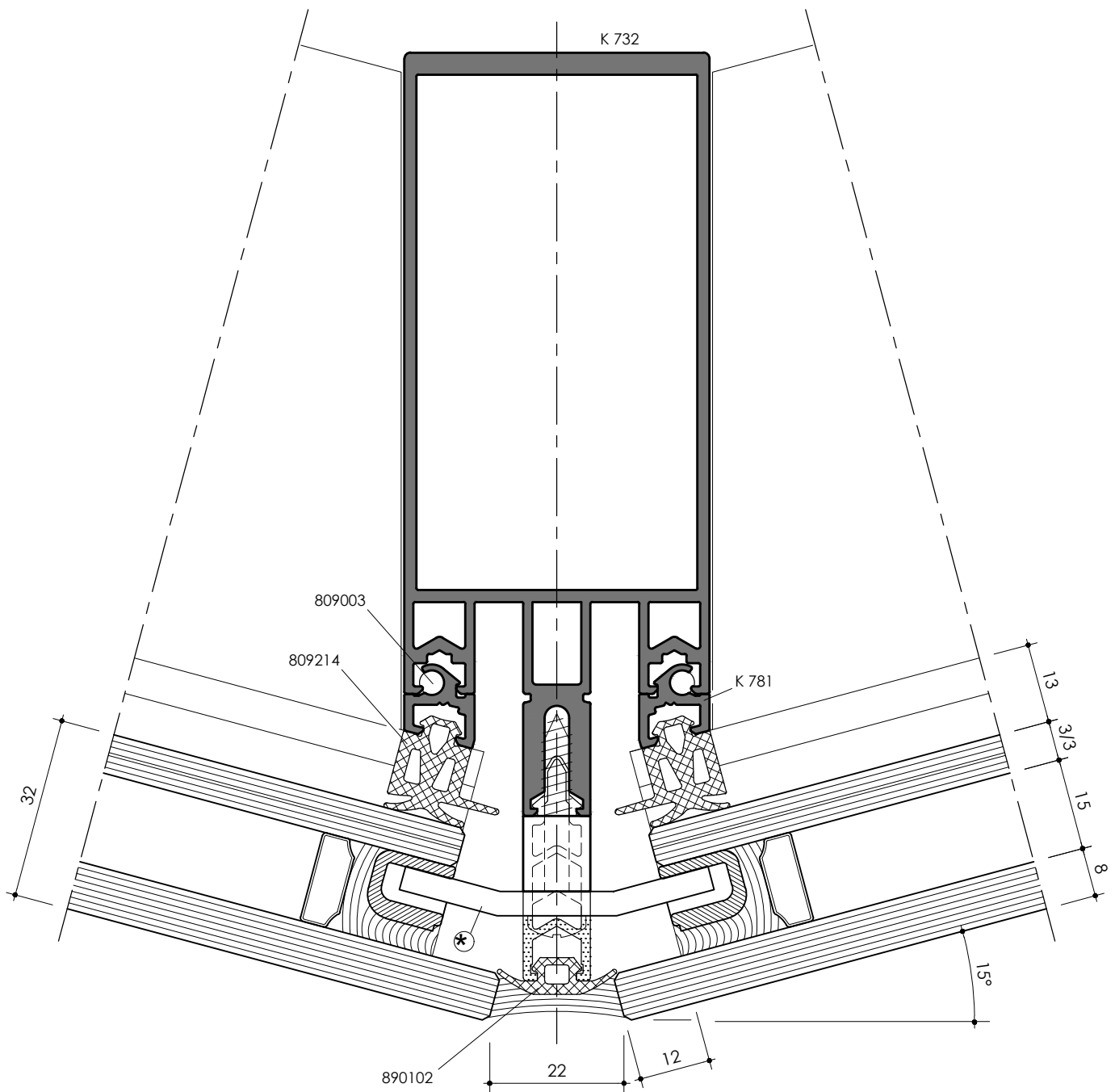
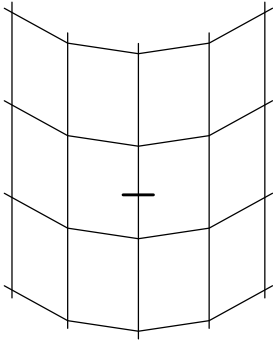
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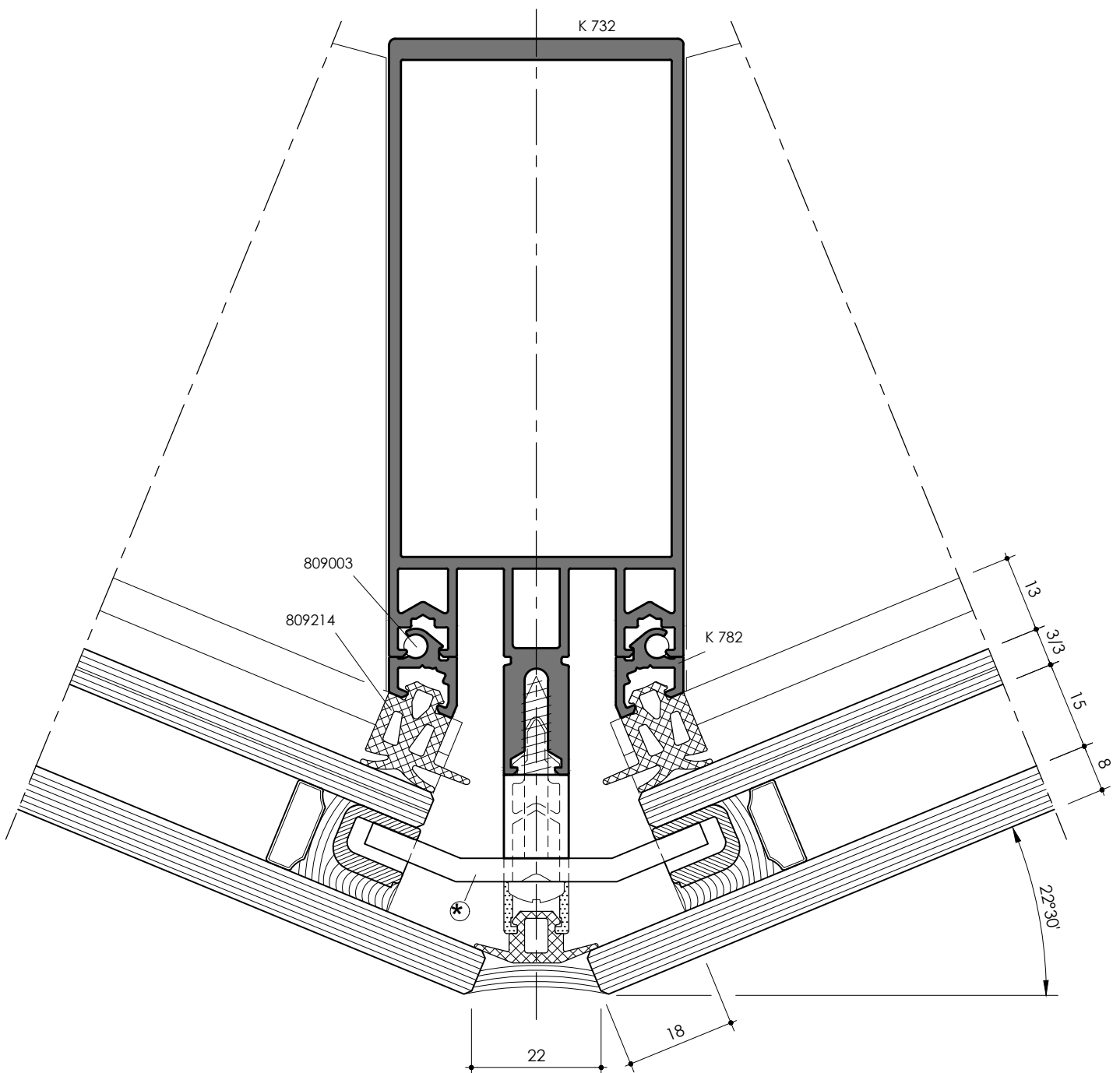
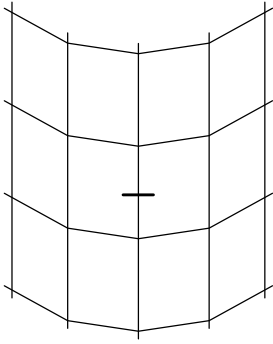
SL	SG
	●



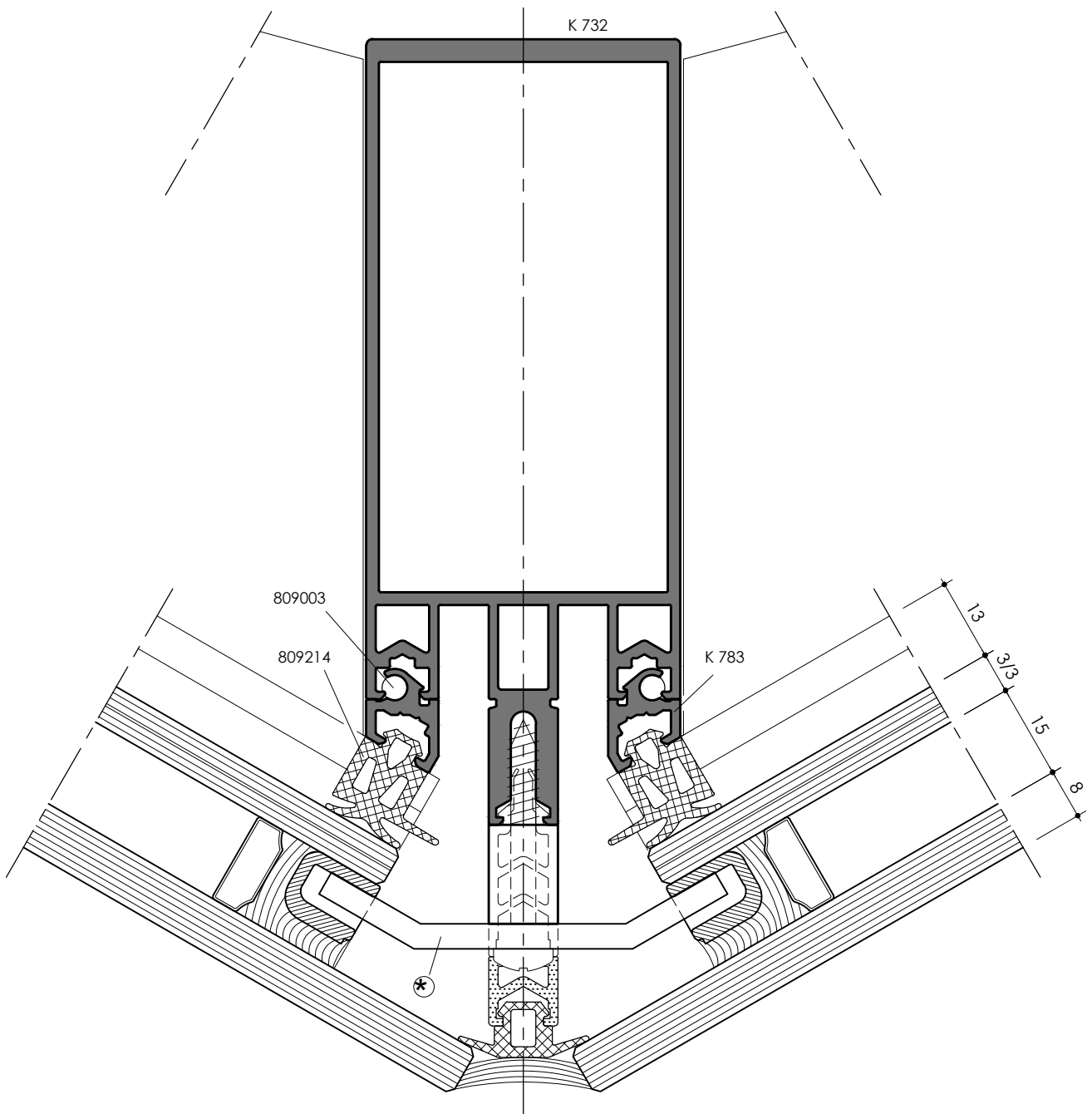
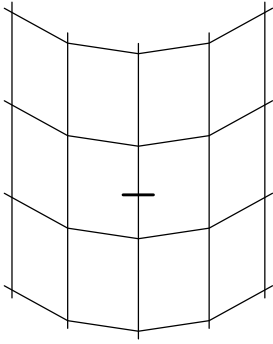
SL	SG
	●



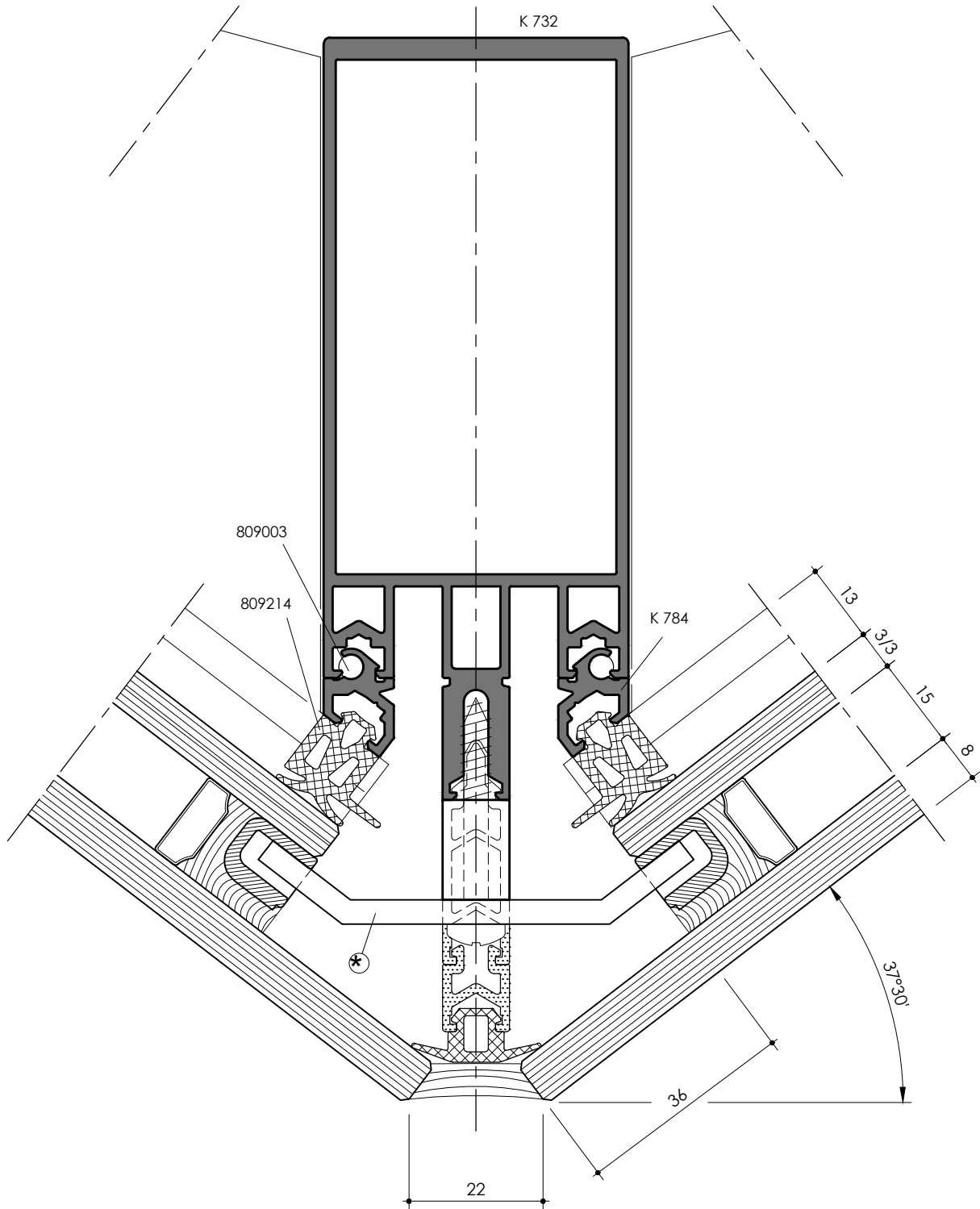
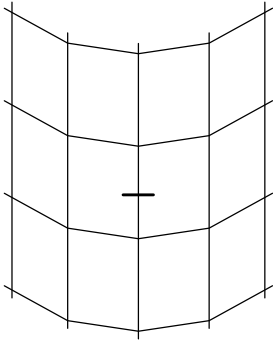
SL	SG
	●



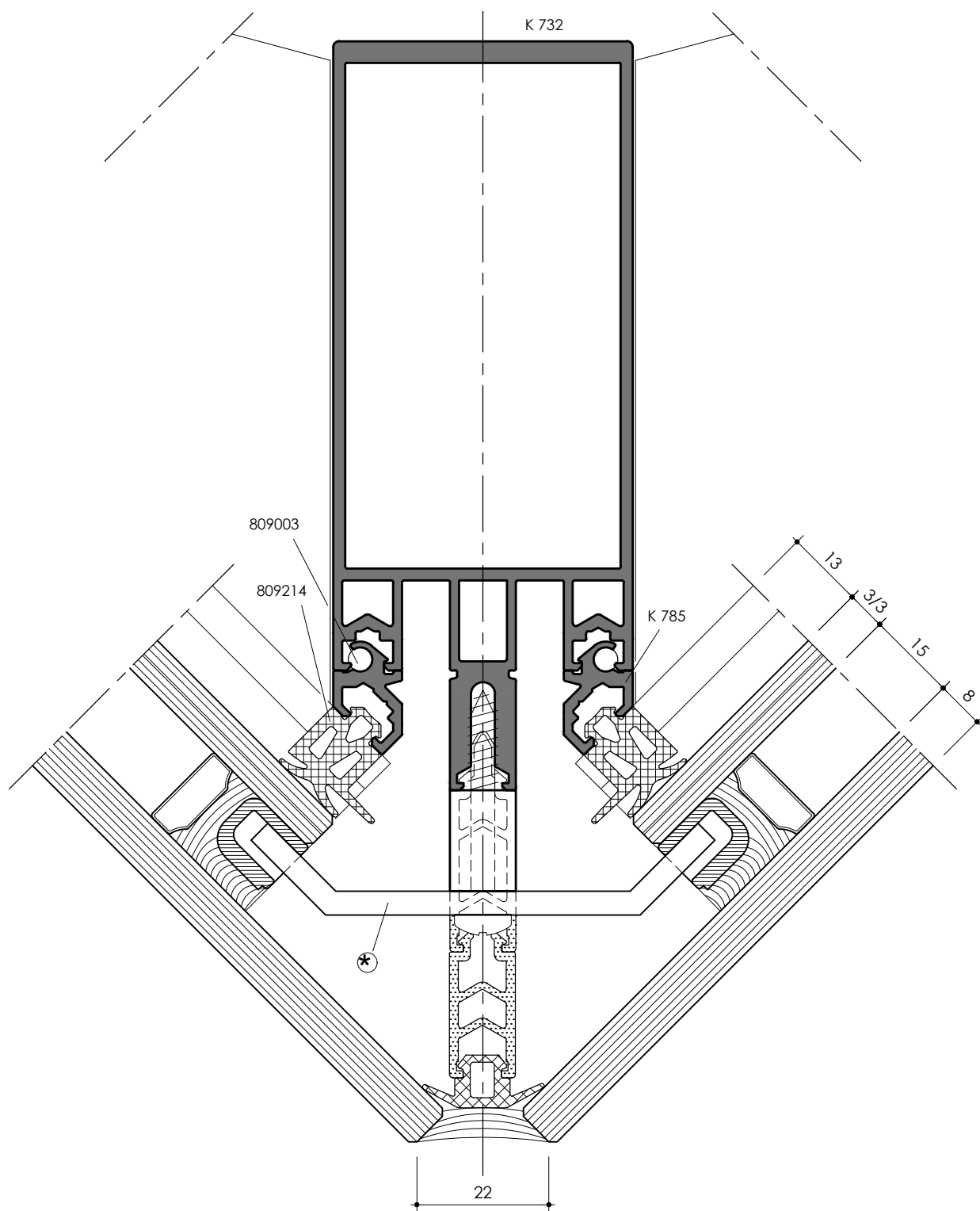
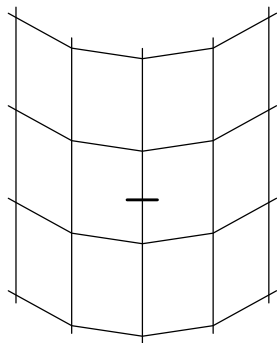
SL	SG
	●



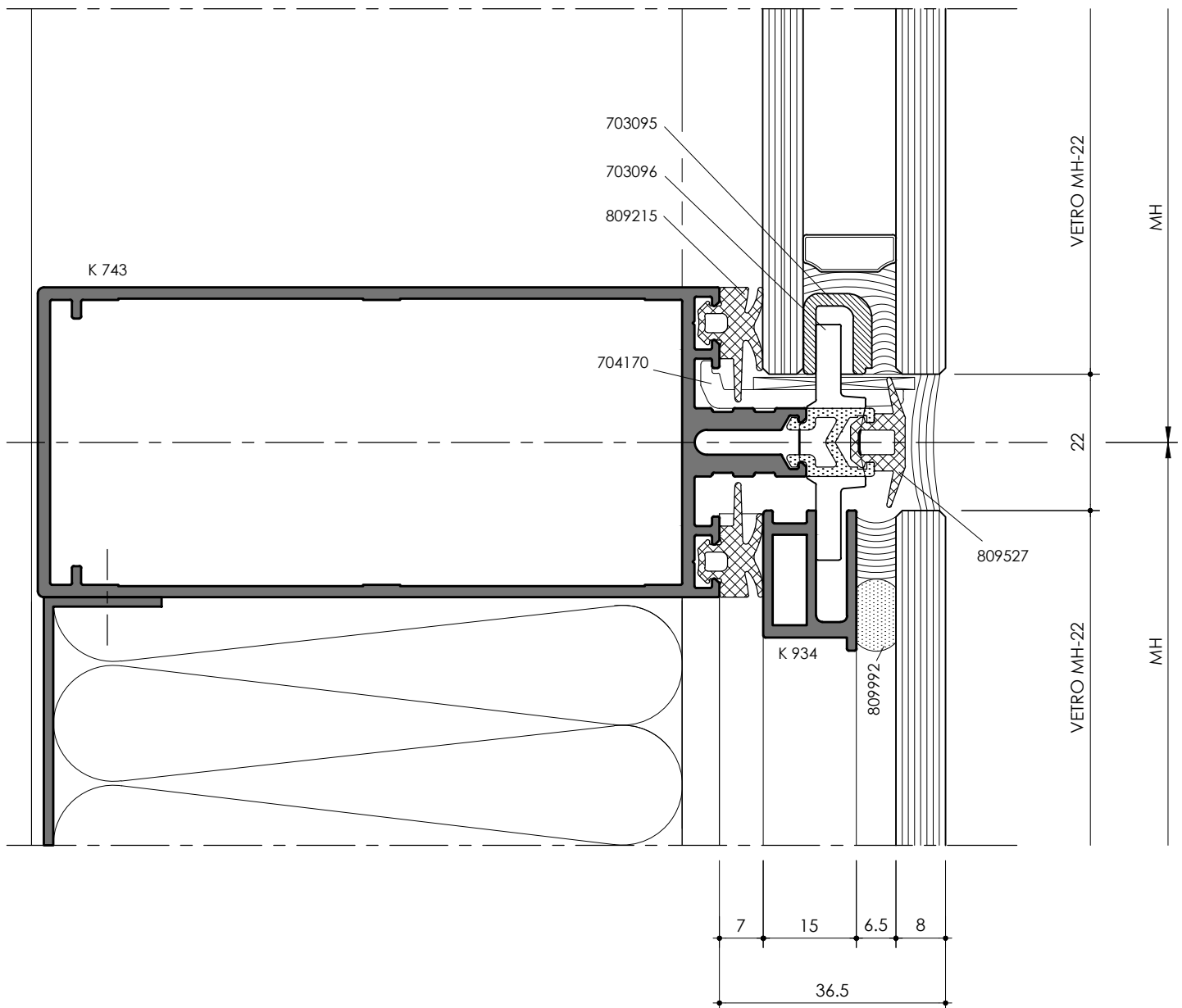
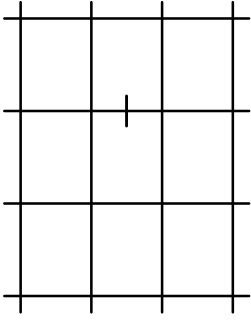
SL	SG
	●



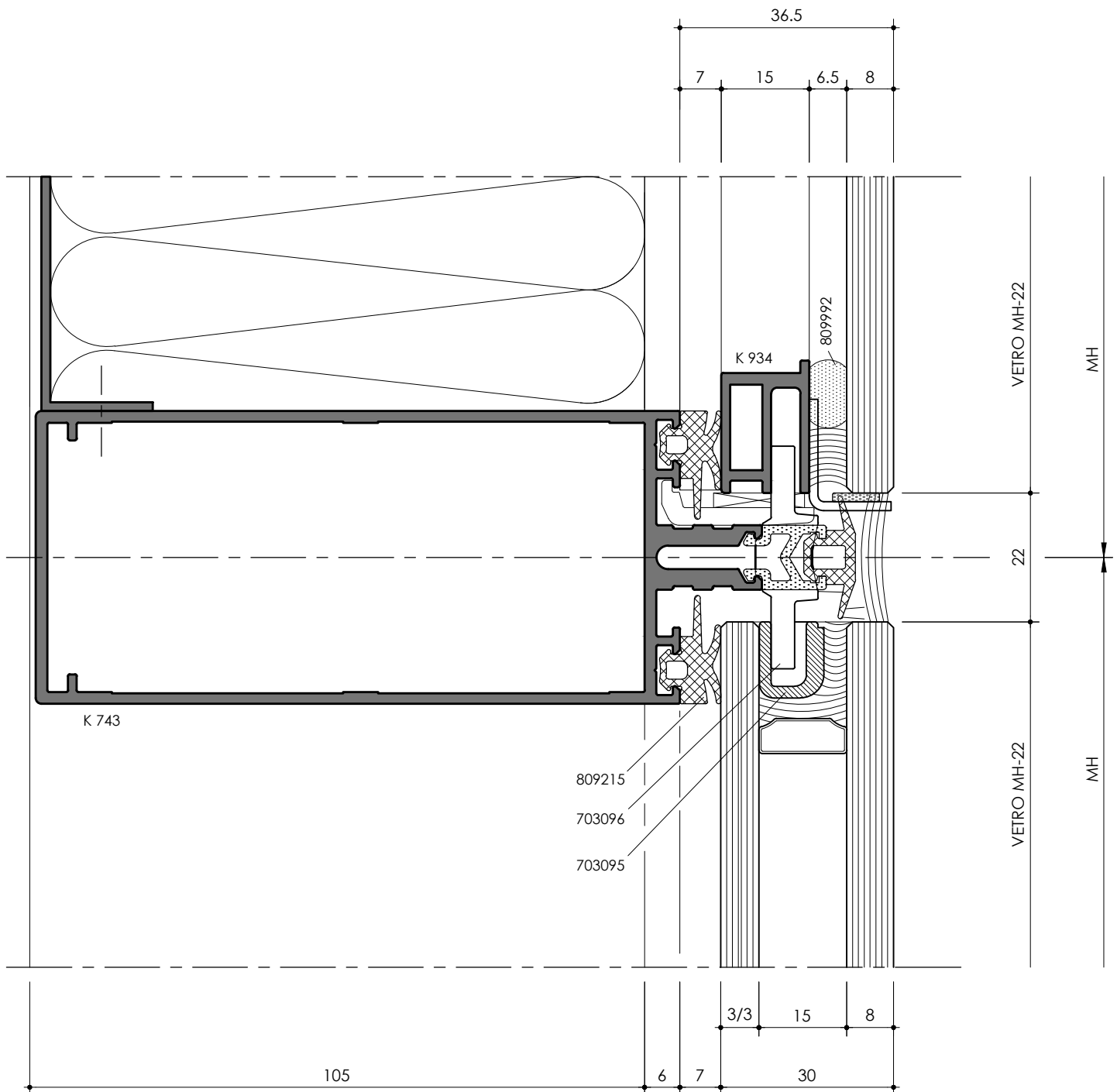
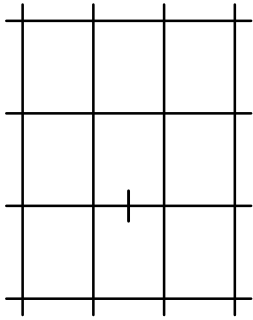
SL	SG
	●



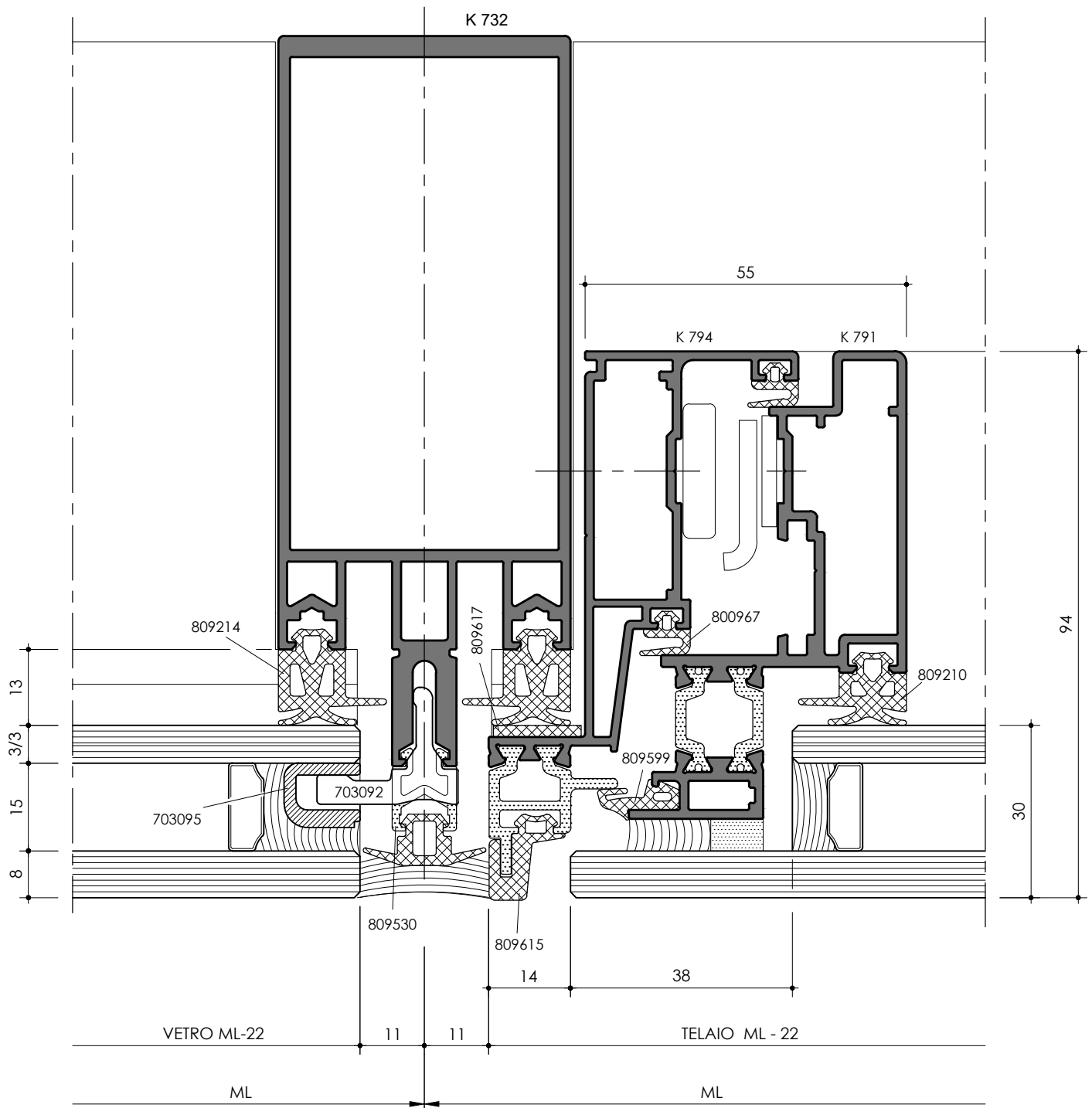
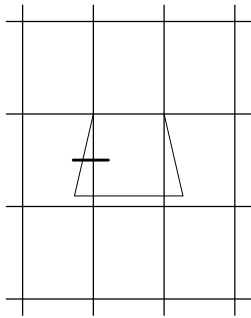
SL	SG
	●



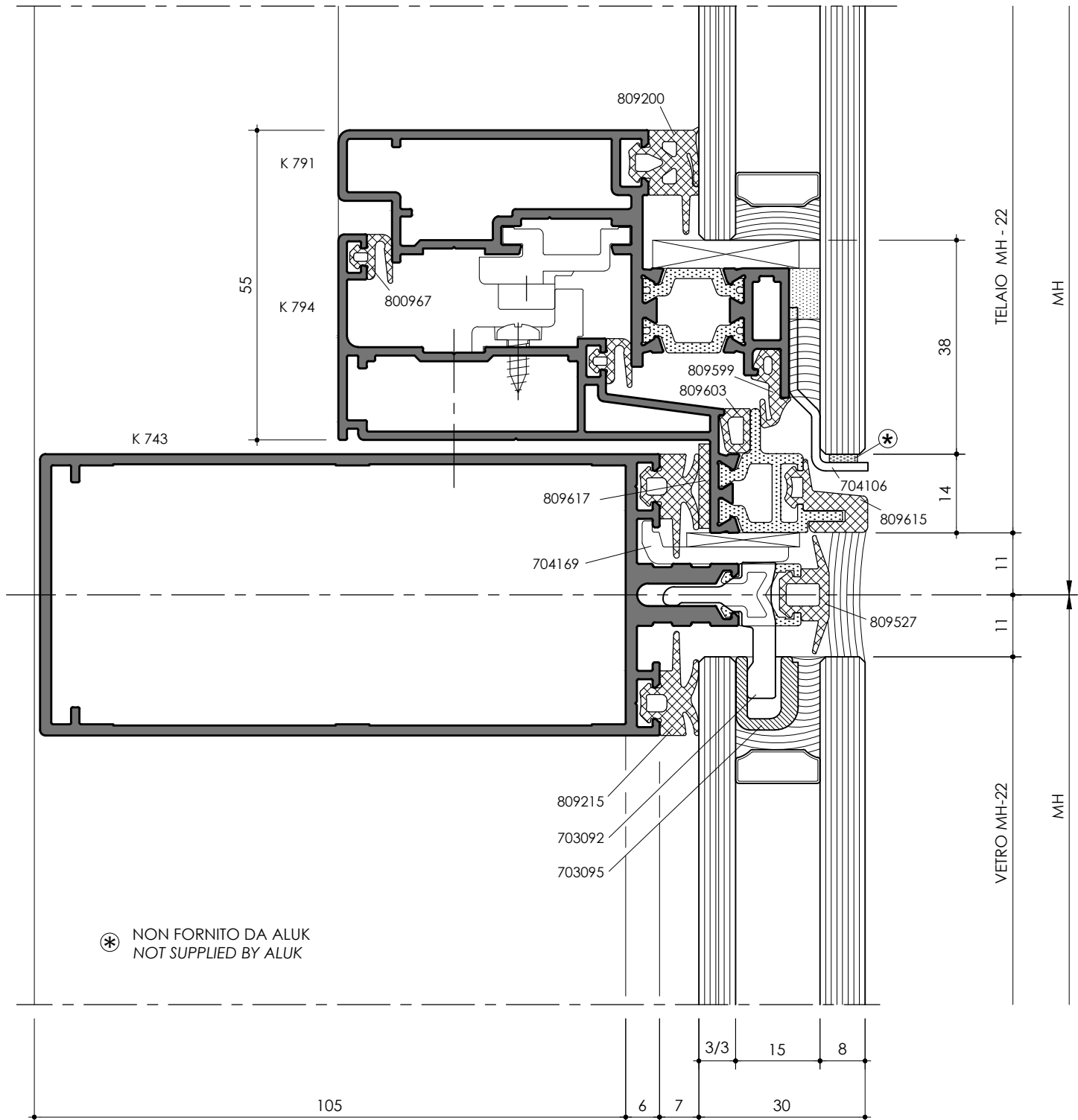
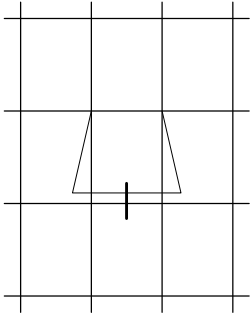
SL	SG
	●



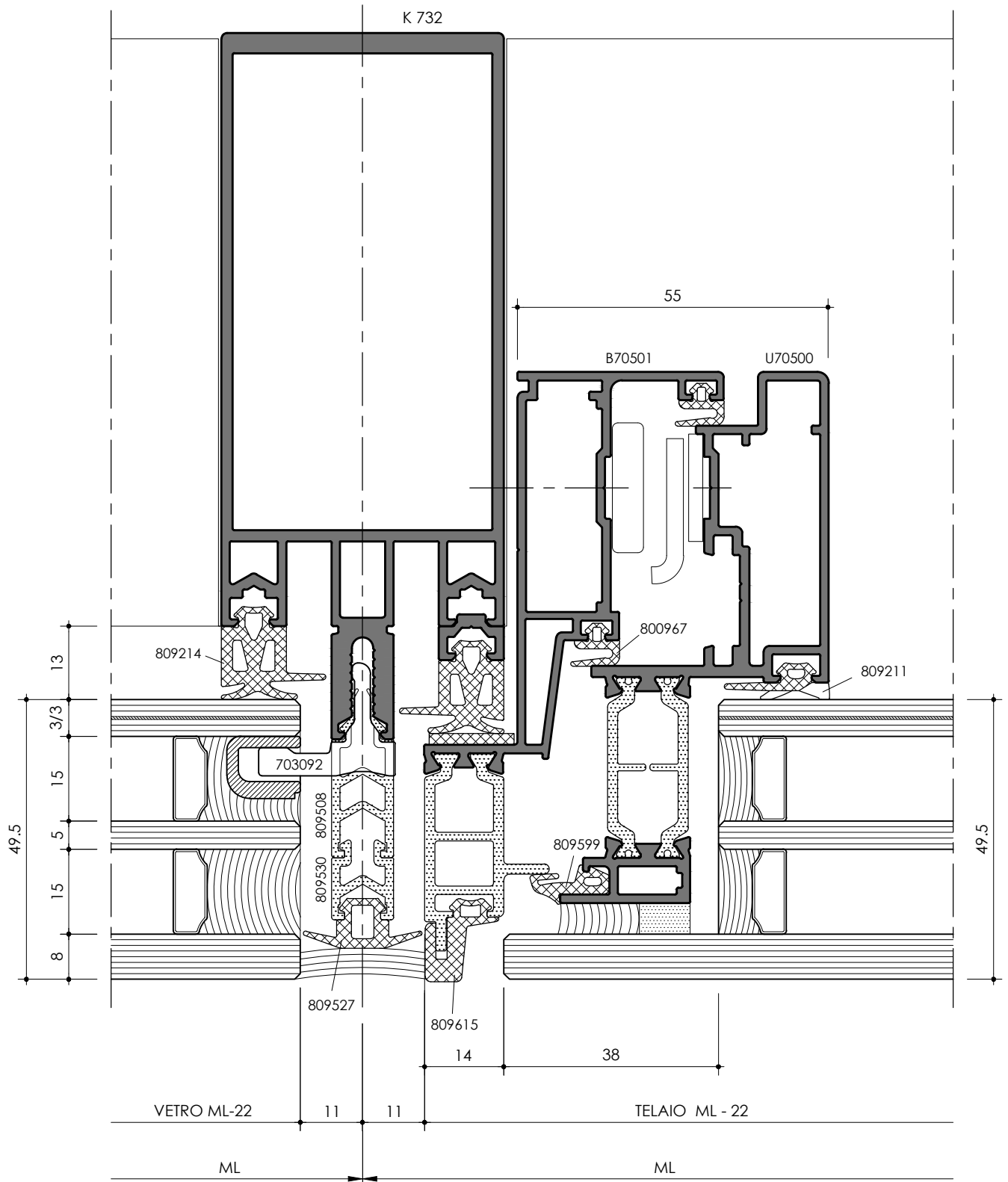
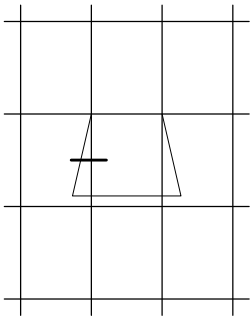
SL	SG
	●



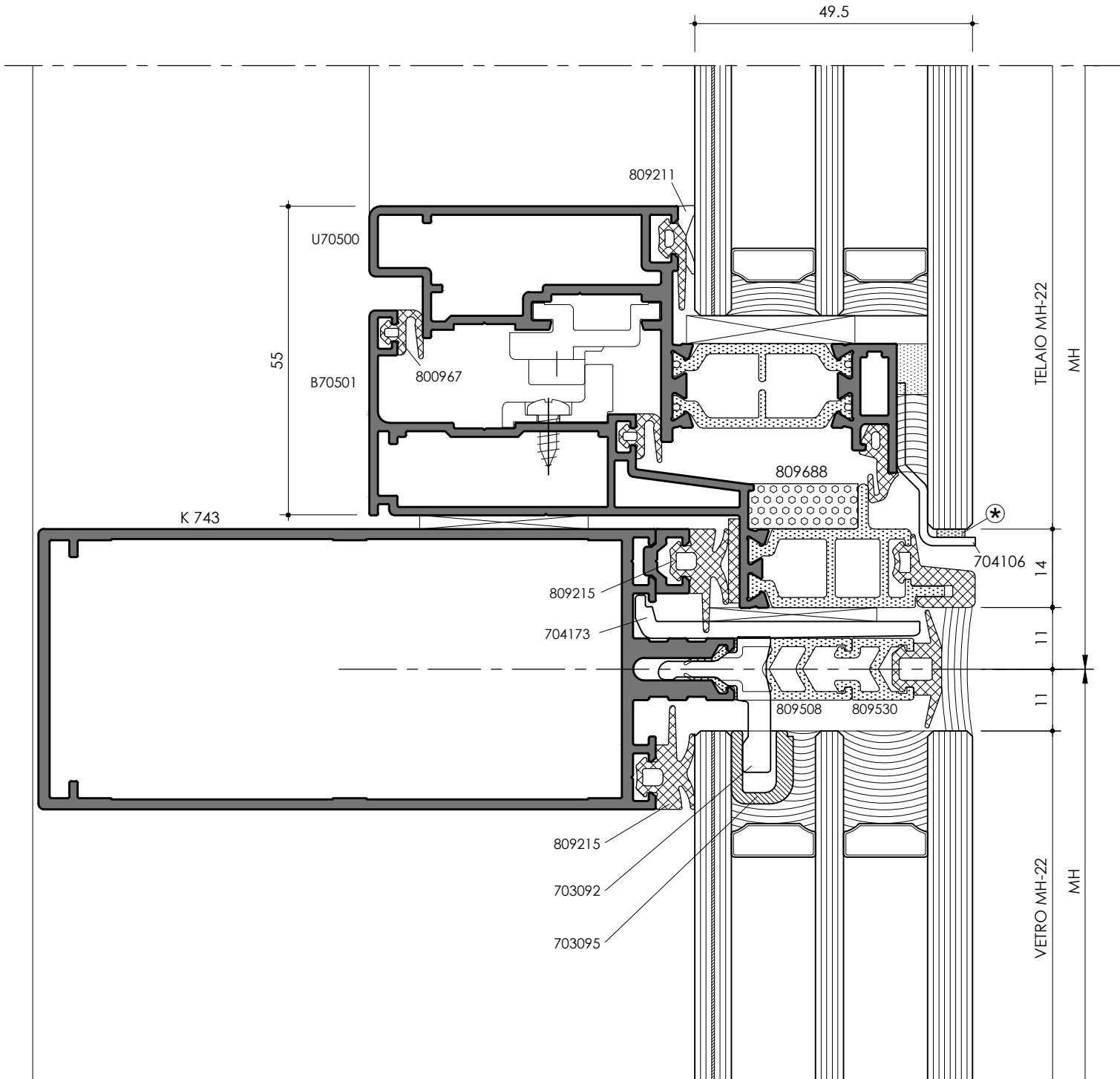
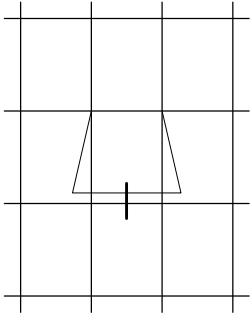
SL	SG
	●



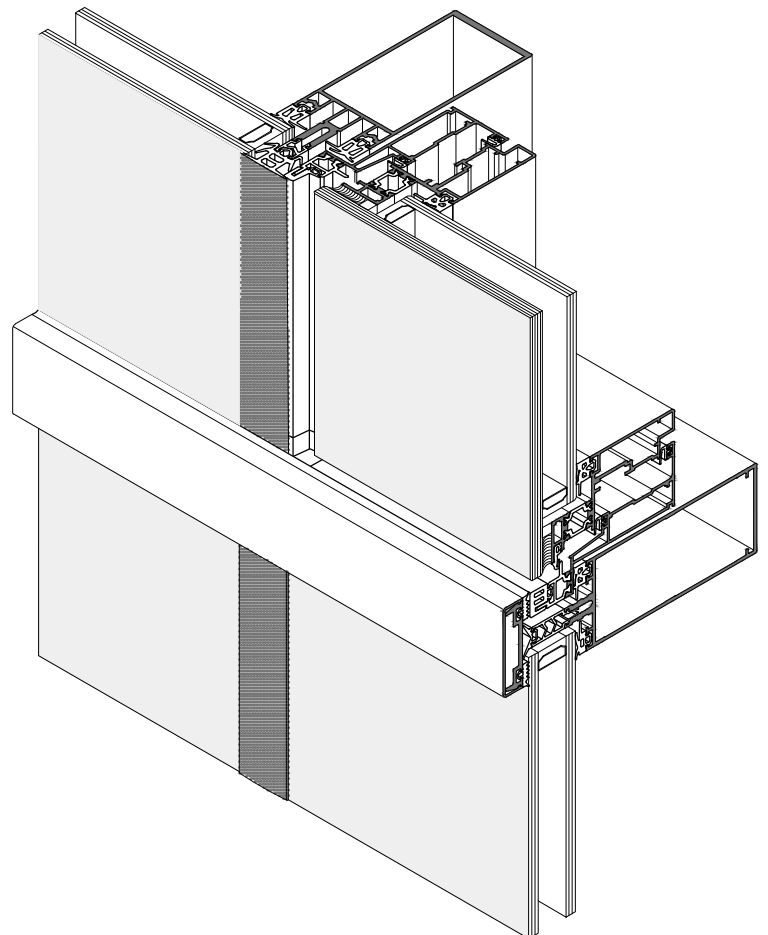
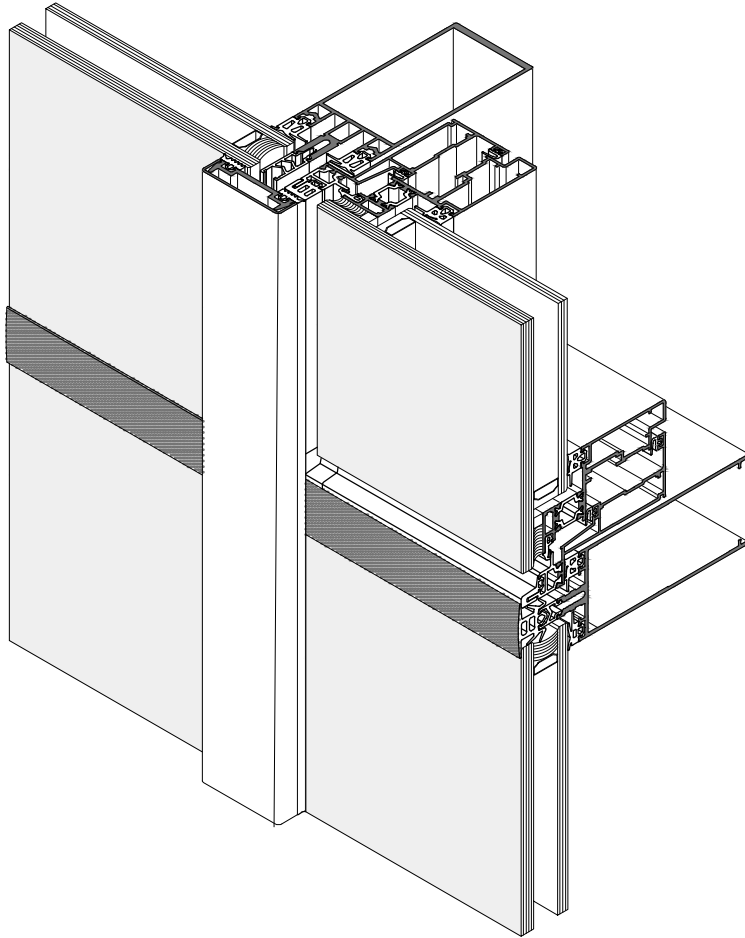
SL	SG
	●



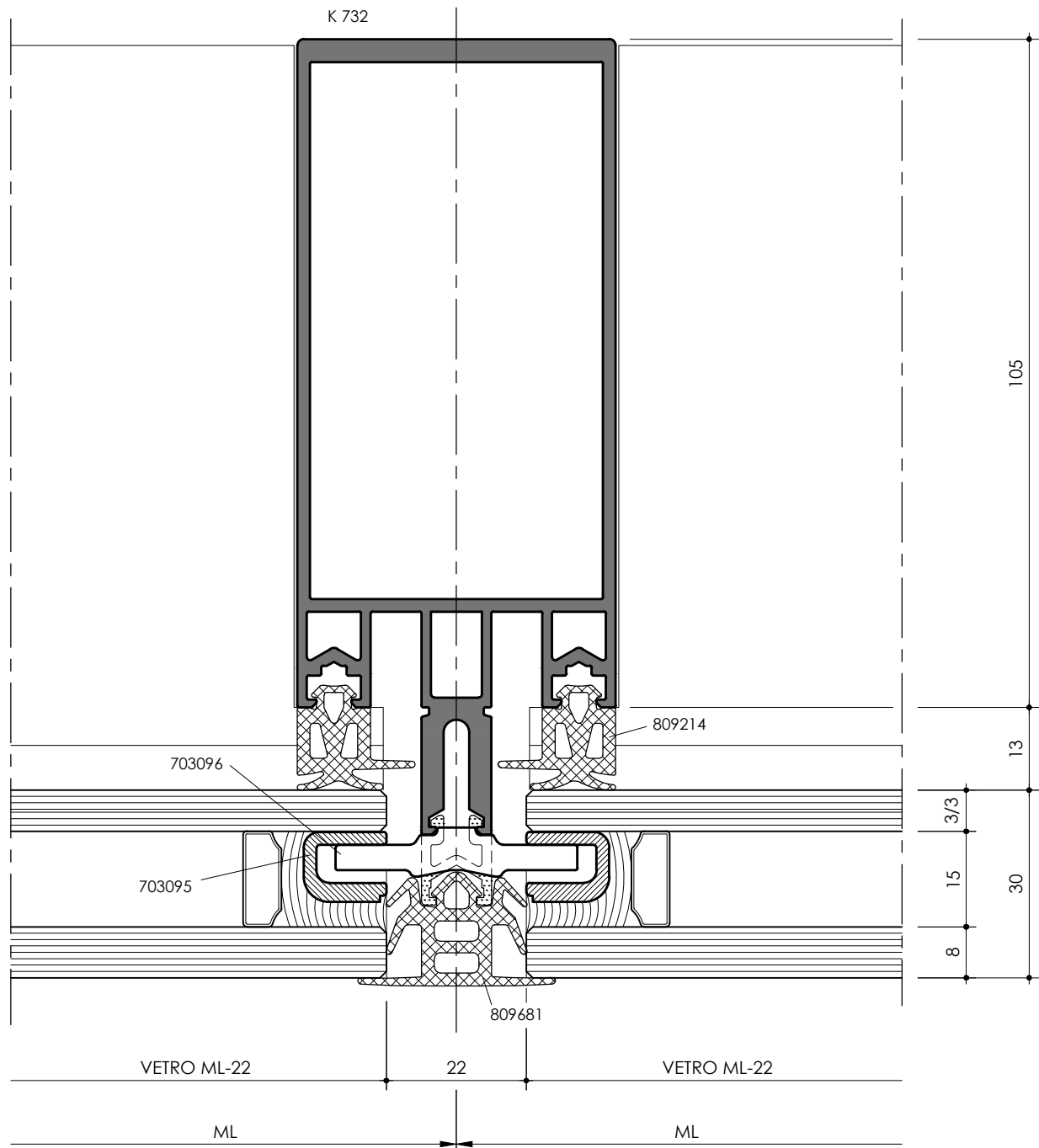
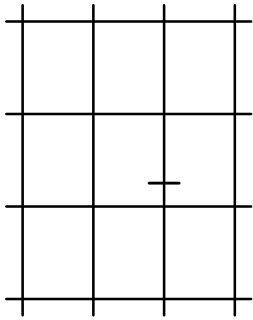
SL	SG
	●



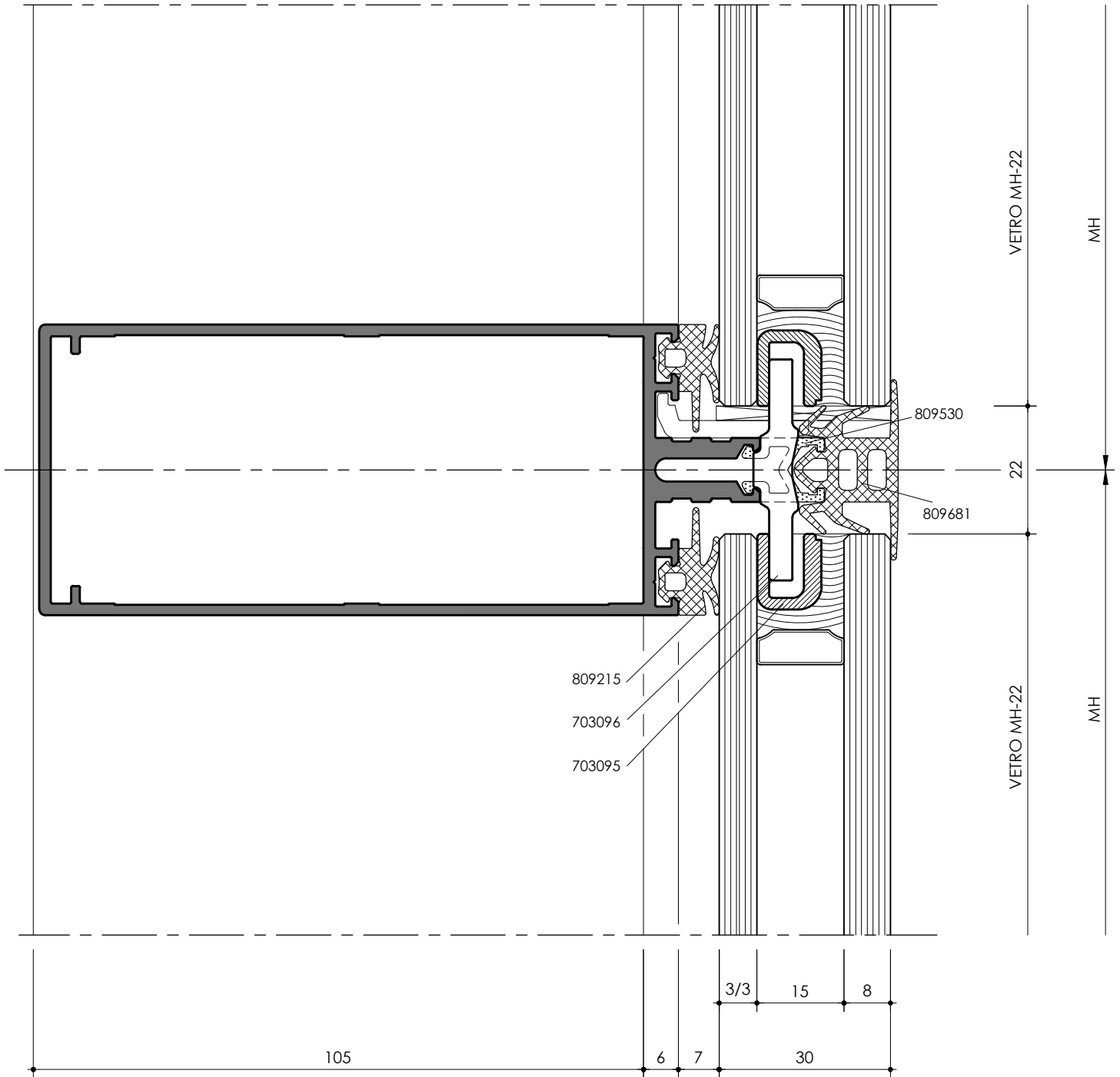
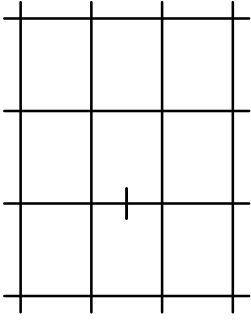
SEZIONI TIPICHE SG50P
SG50P TYPICAL DETAILS



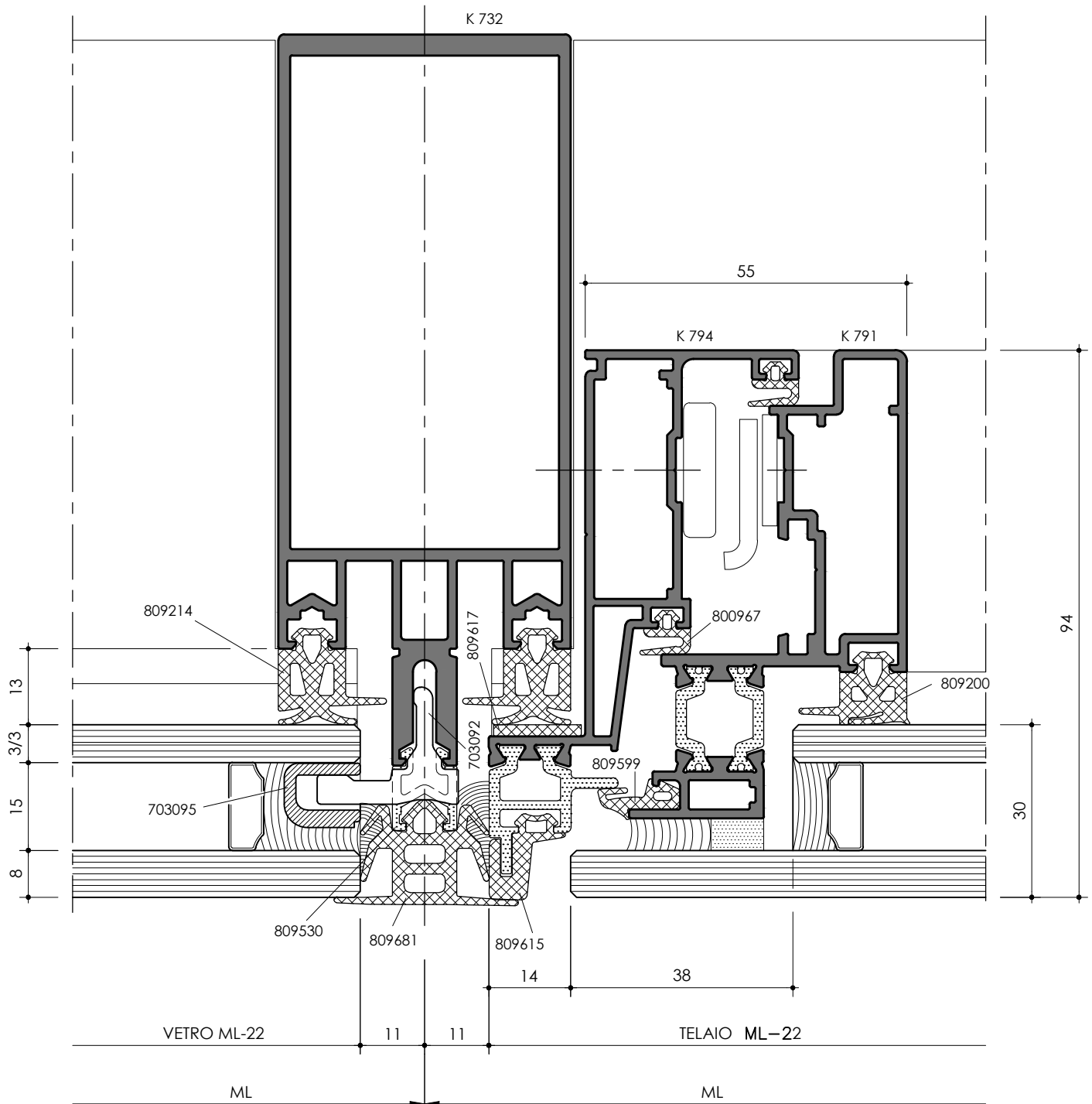
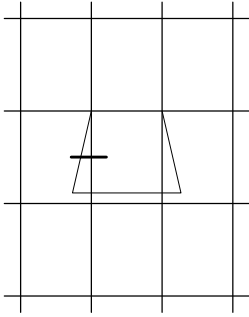
SL	SG - P
	●



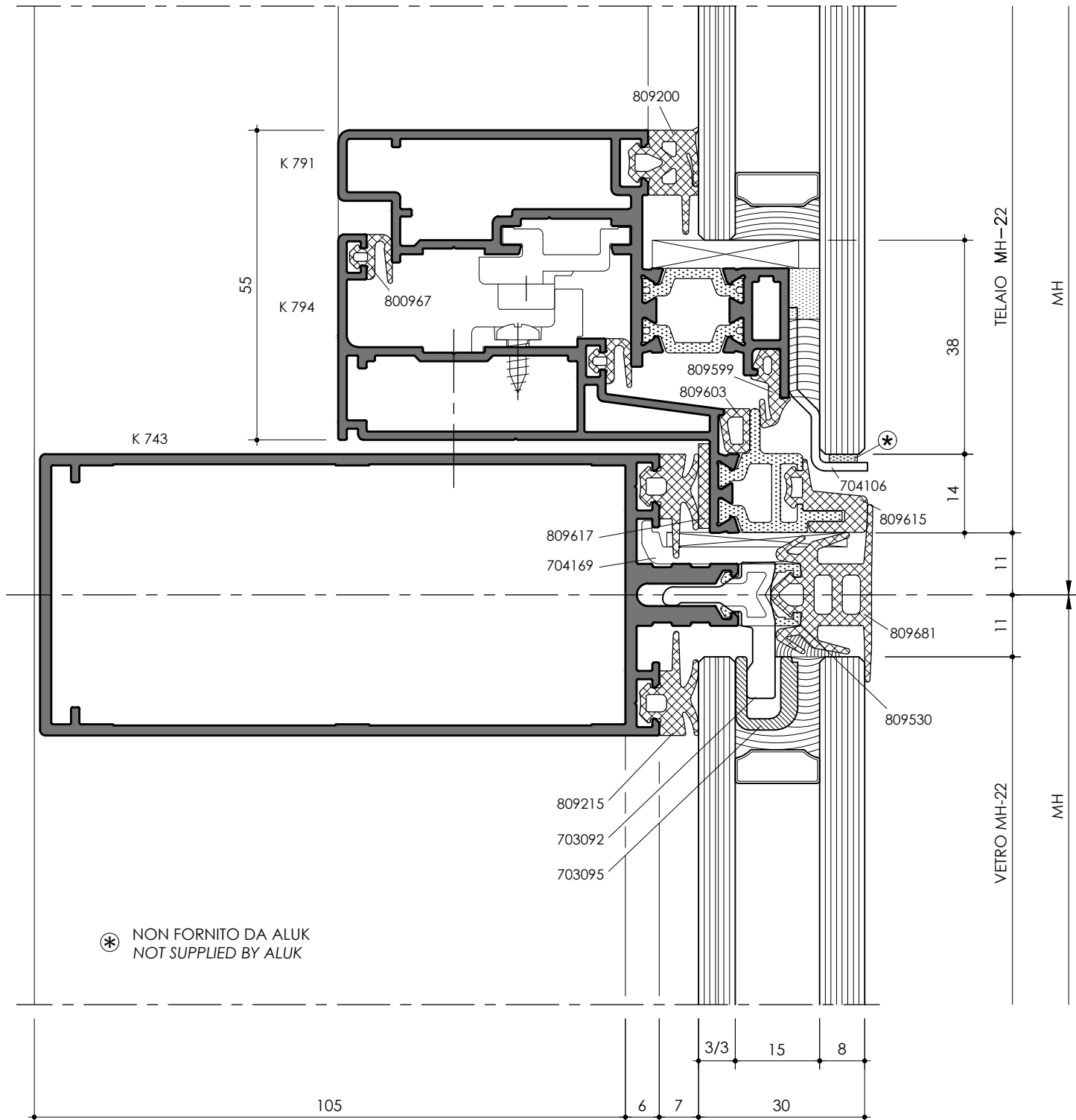
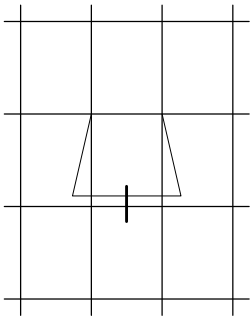
SL	SG - P
	●



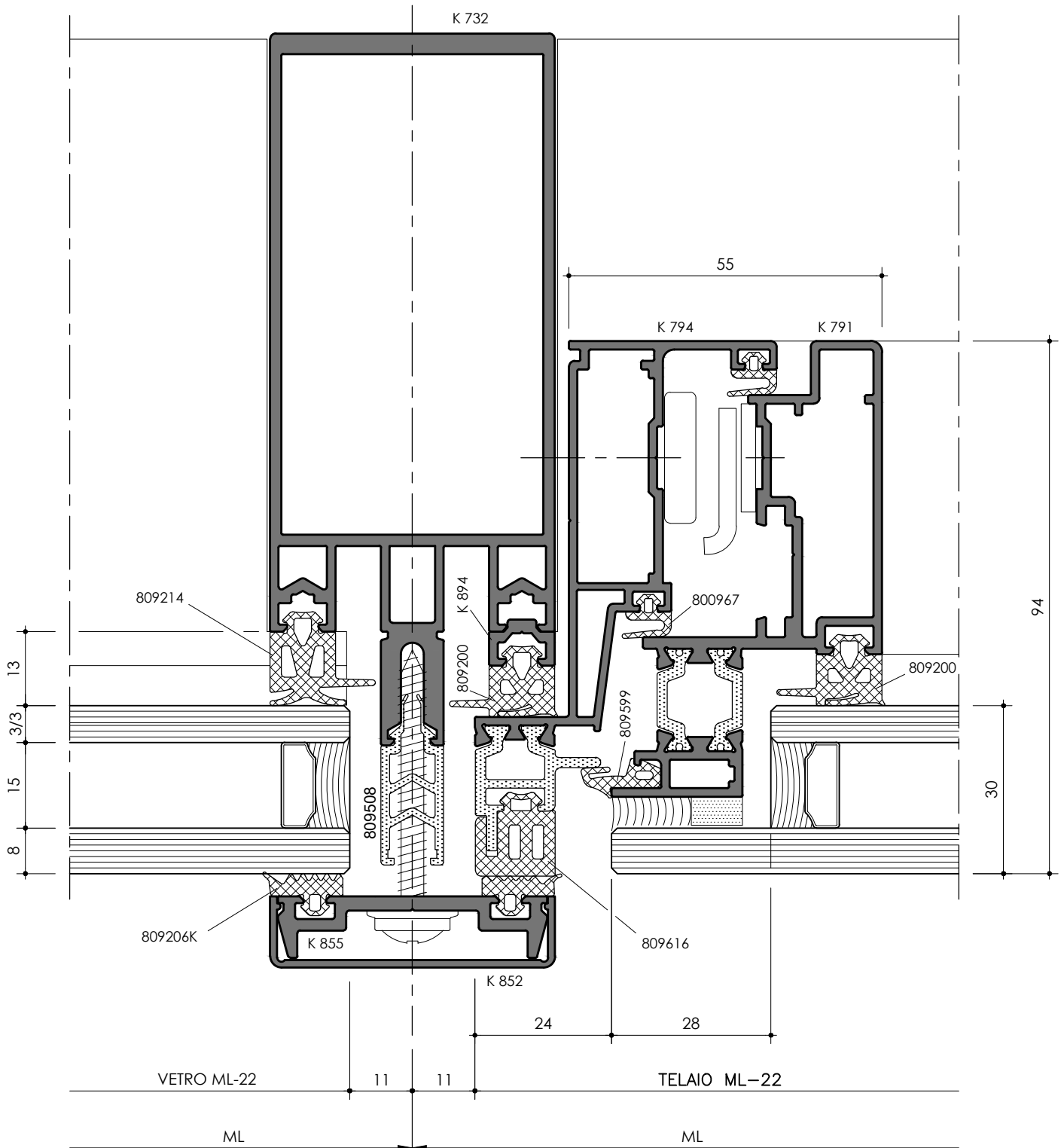
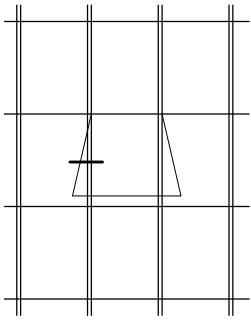
SL	SG - P
	●



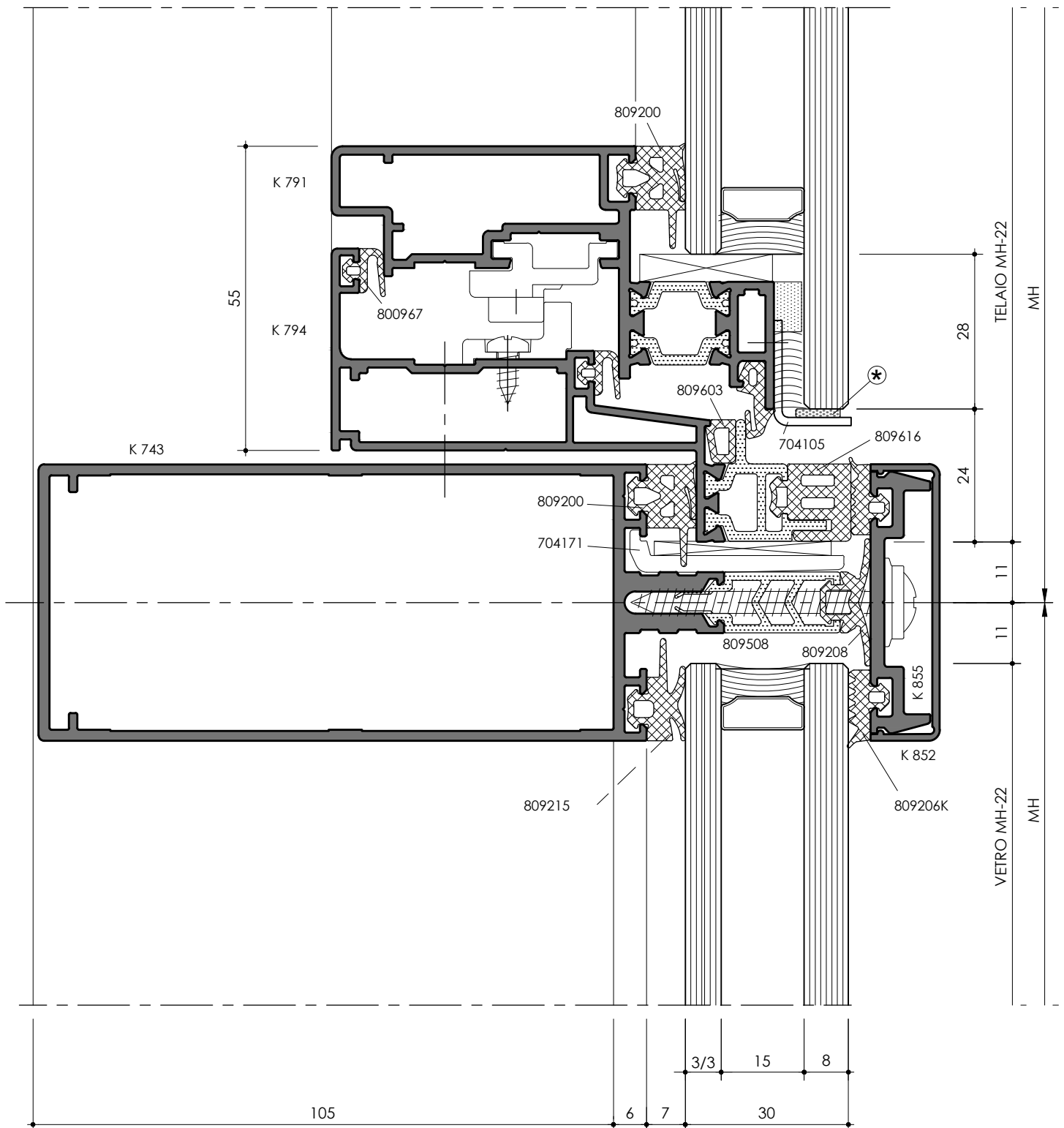
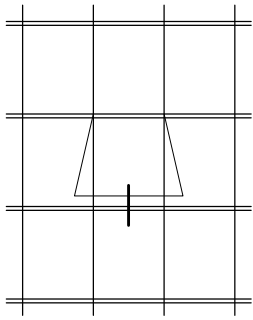
SL	SG - P
	●



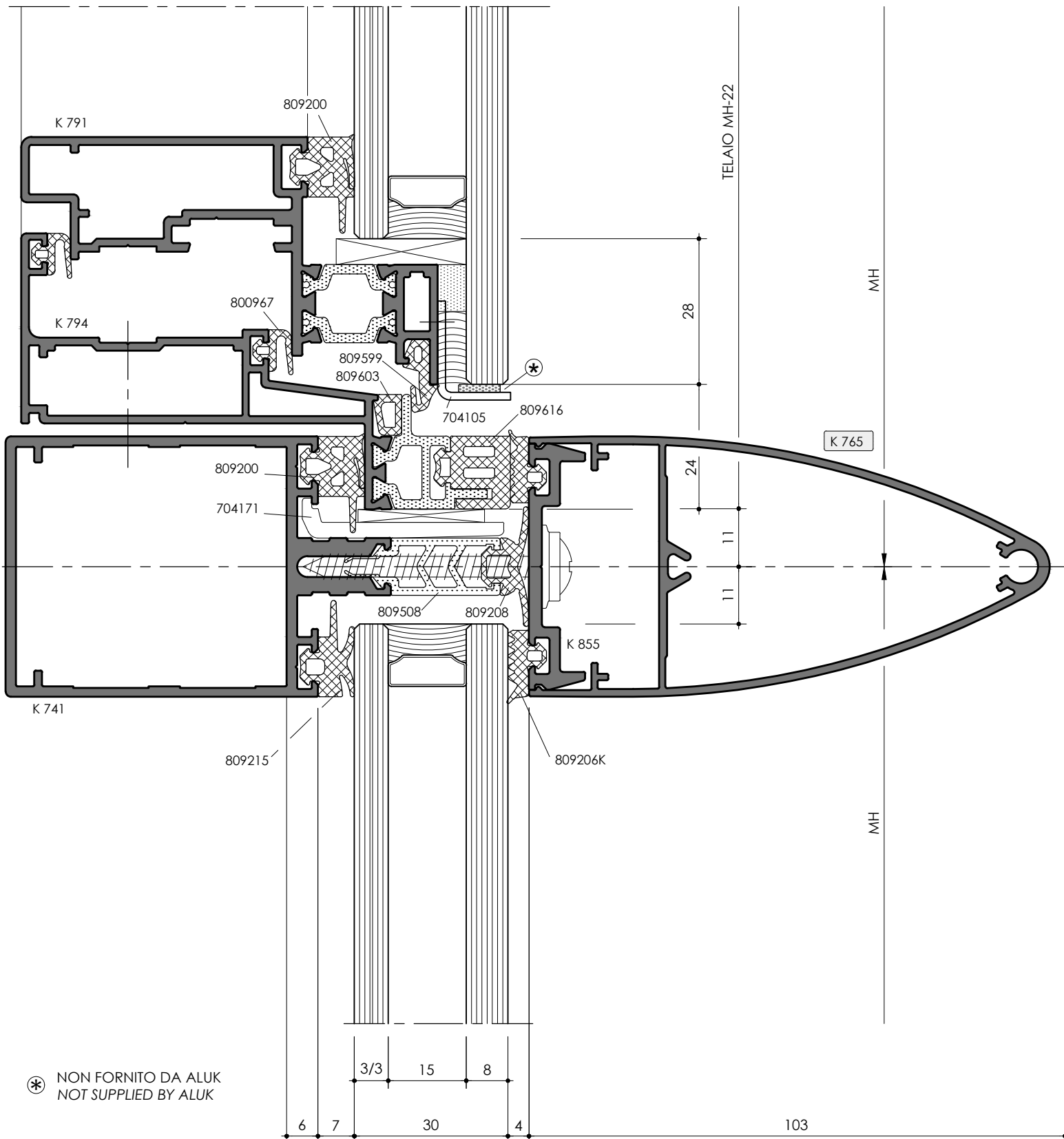
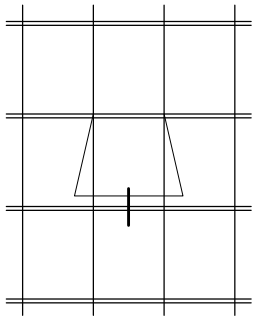
SL	SG - P
	●



SL	SG - P
	●

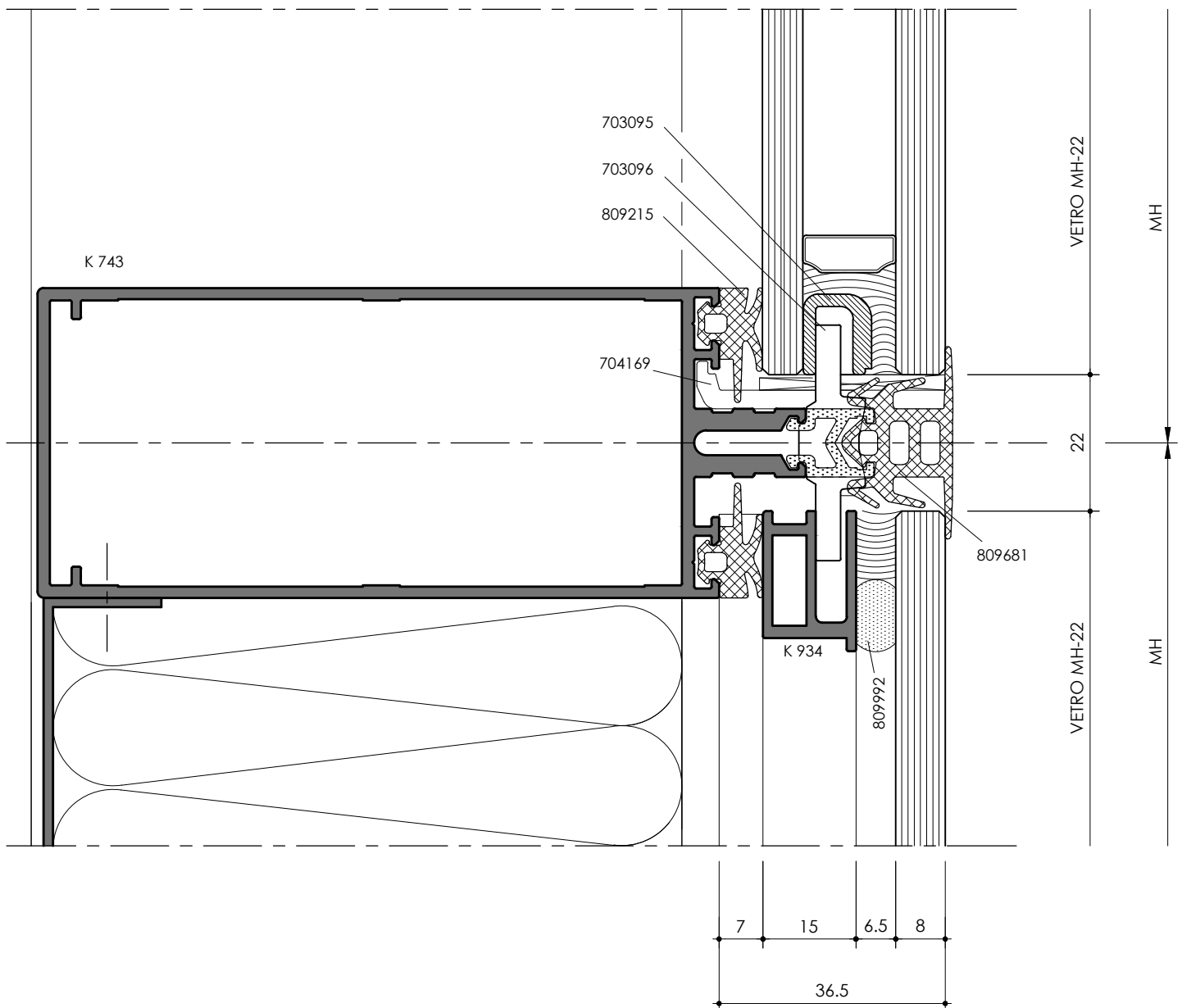
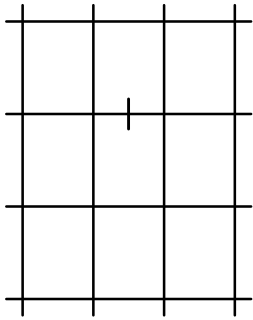


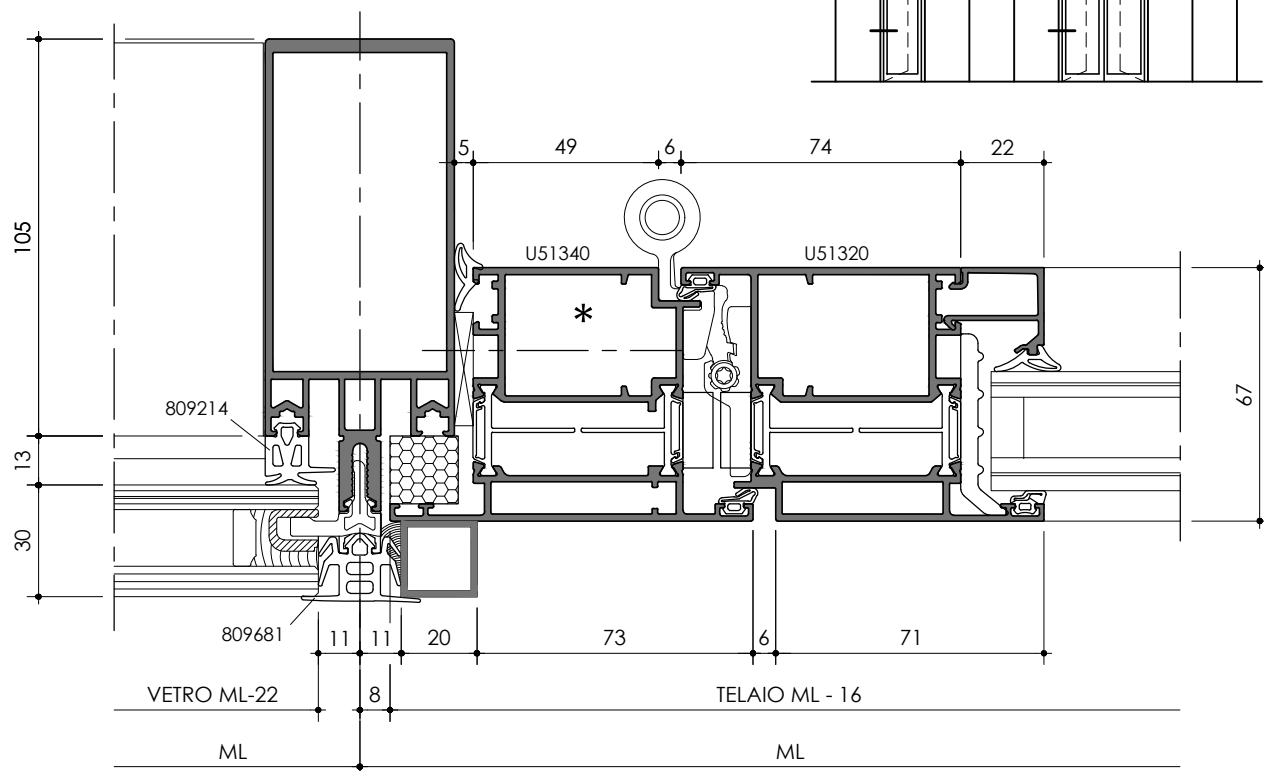
PROFILO SU RICHIESTA
AVAILABLE ON REQUEST



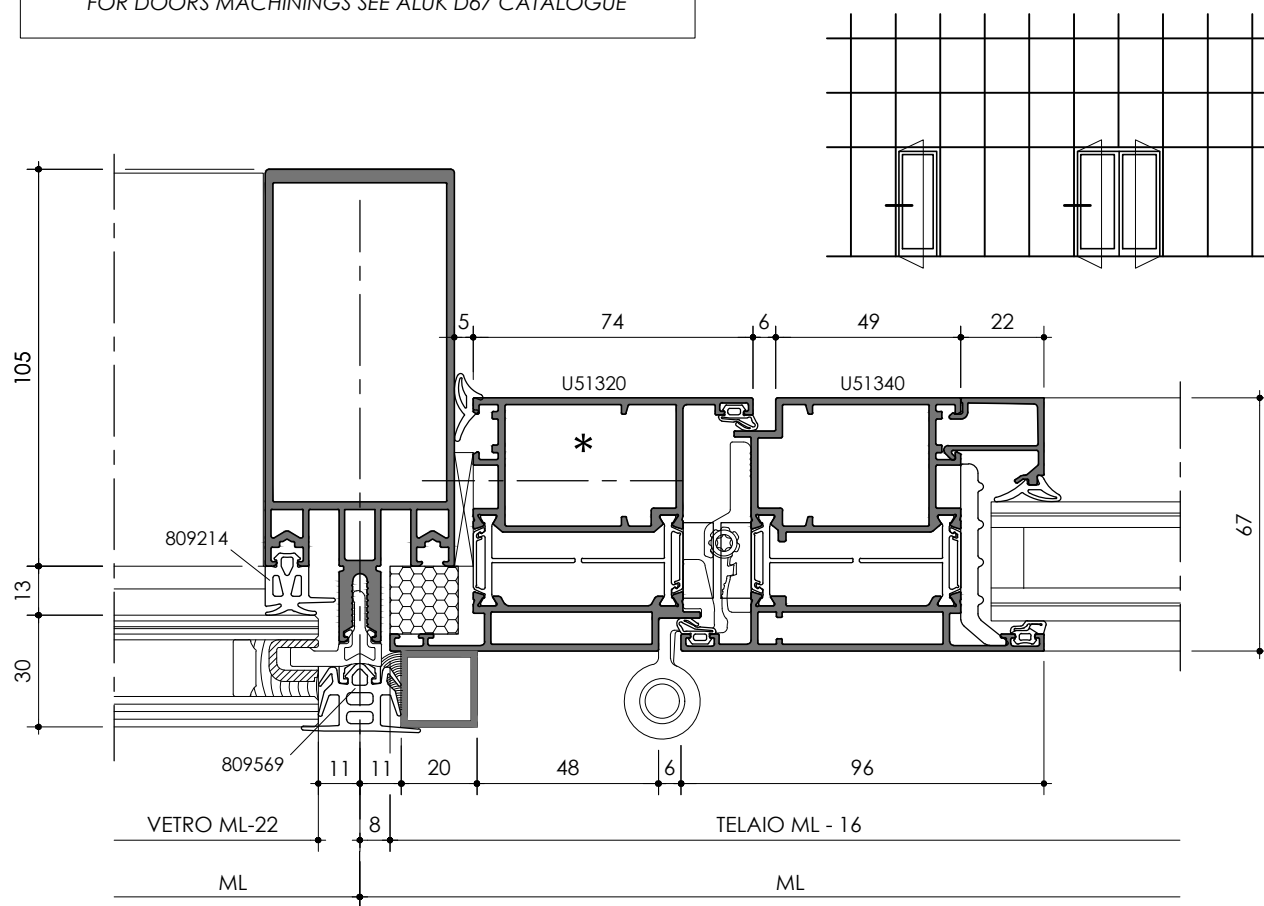
⊛ NON FORNITO DA ALUK
NOT SUPPLIED BY ALUK

SL	SG - P
	●

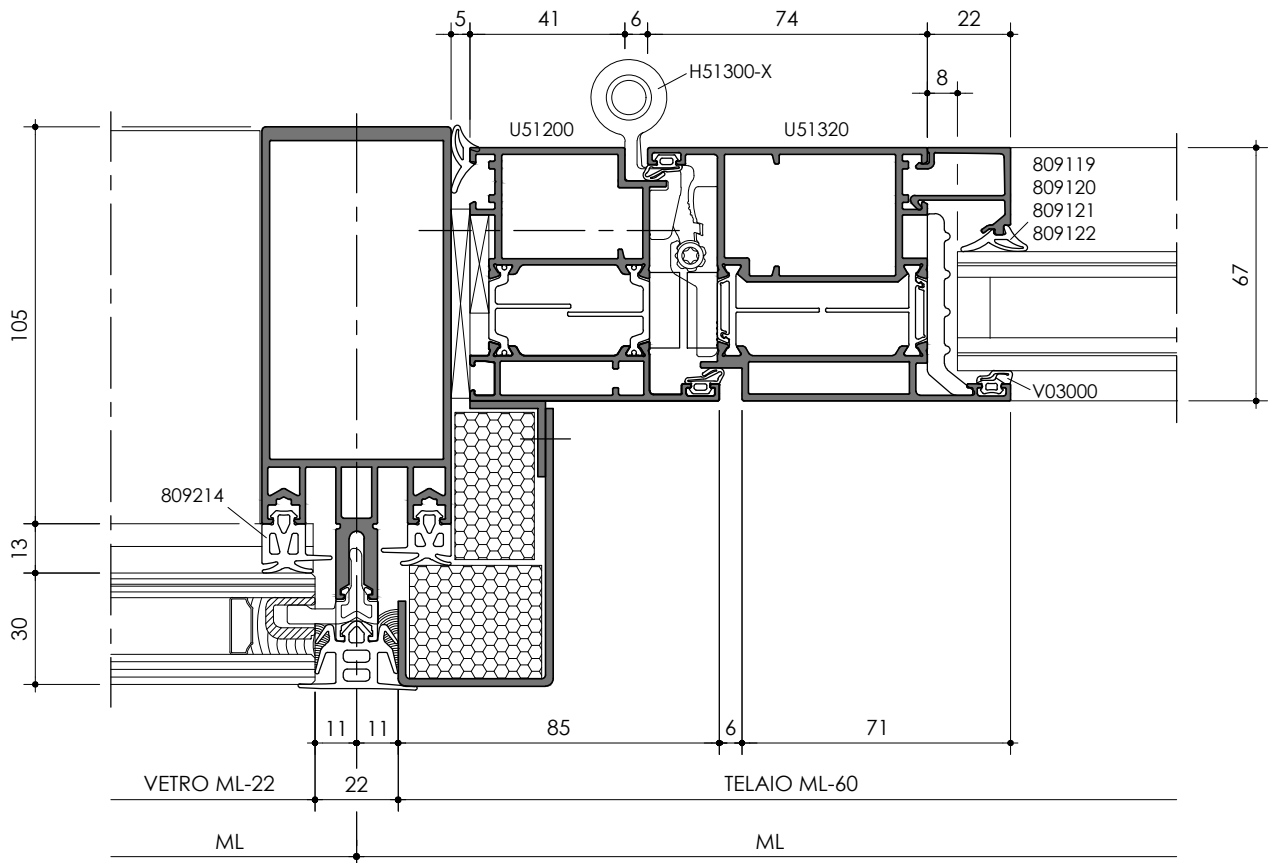




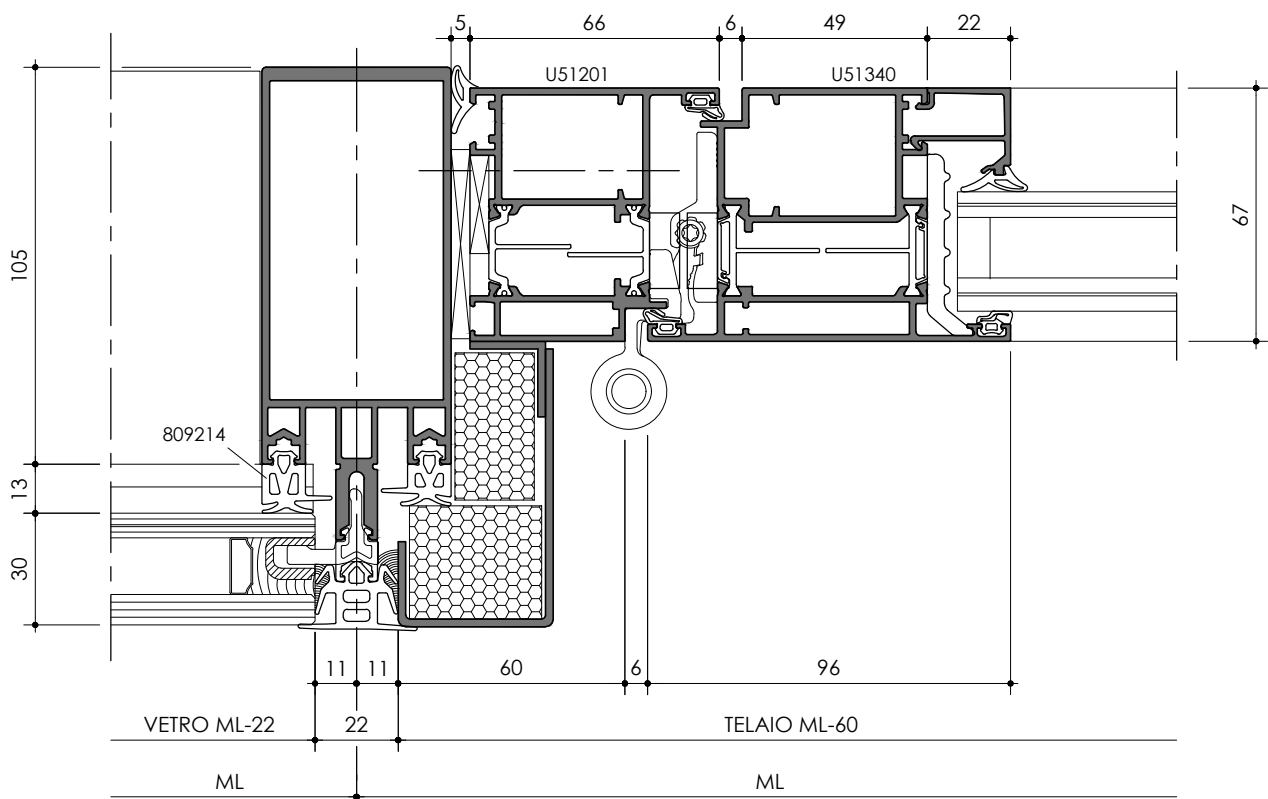
PER COSTRUZIONE PORTE VEDI CATALOGO ALUK D67
FOR DOORS MACHININGS SEE ALUK D67 CATALOGUE



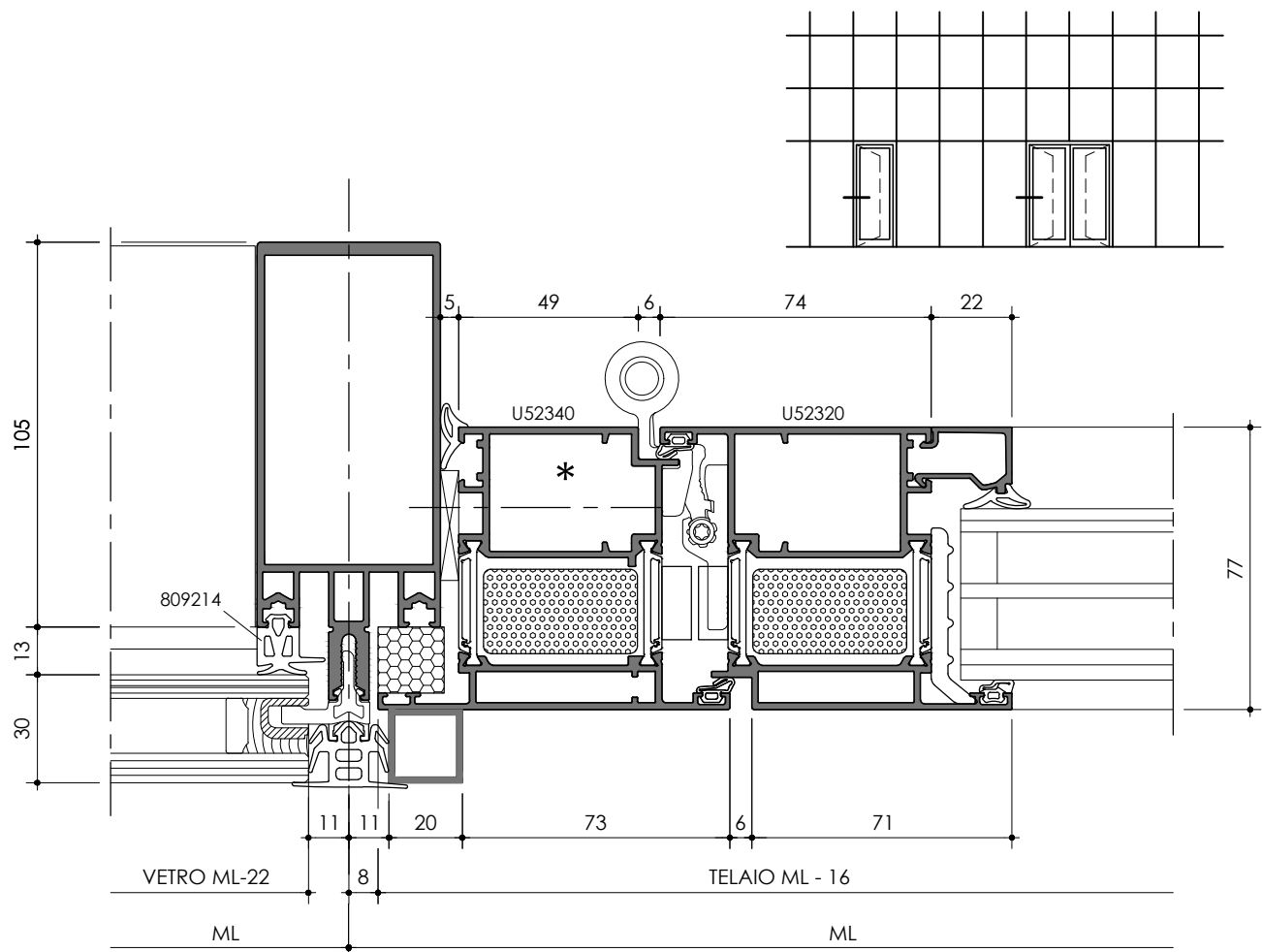
* ATTENZIONE! SQUADRETTA DA RIFORARE - CONTATTARE L'UFFICIO TECNICO
WARNING! CORNER JOINT TO REDRILL - CONTACT THE TECHNICAL DEPARTMENT



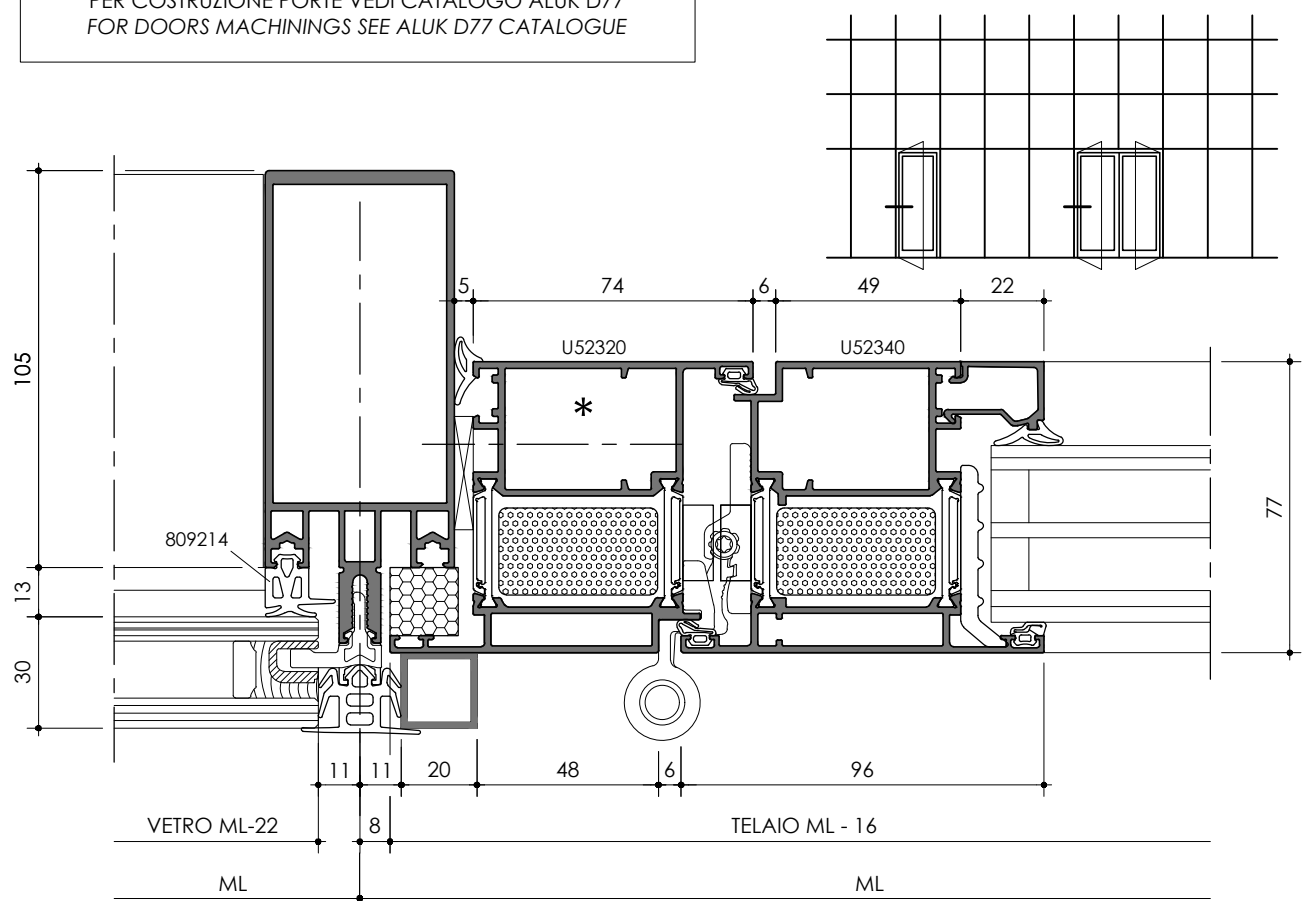
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FOR DOORS MACHININGS SEE ALUK D67 CATALOGUE



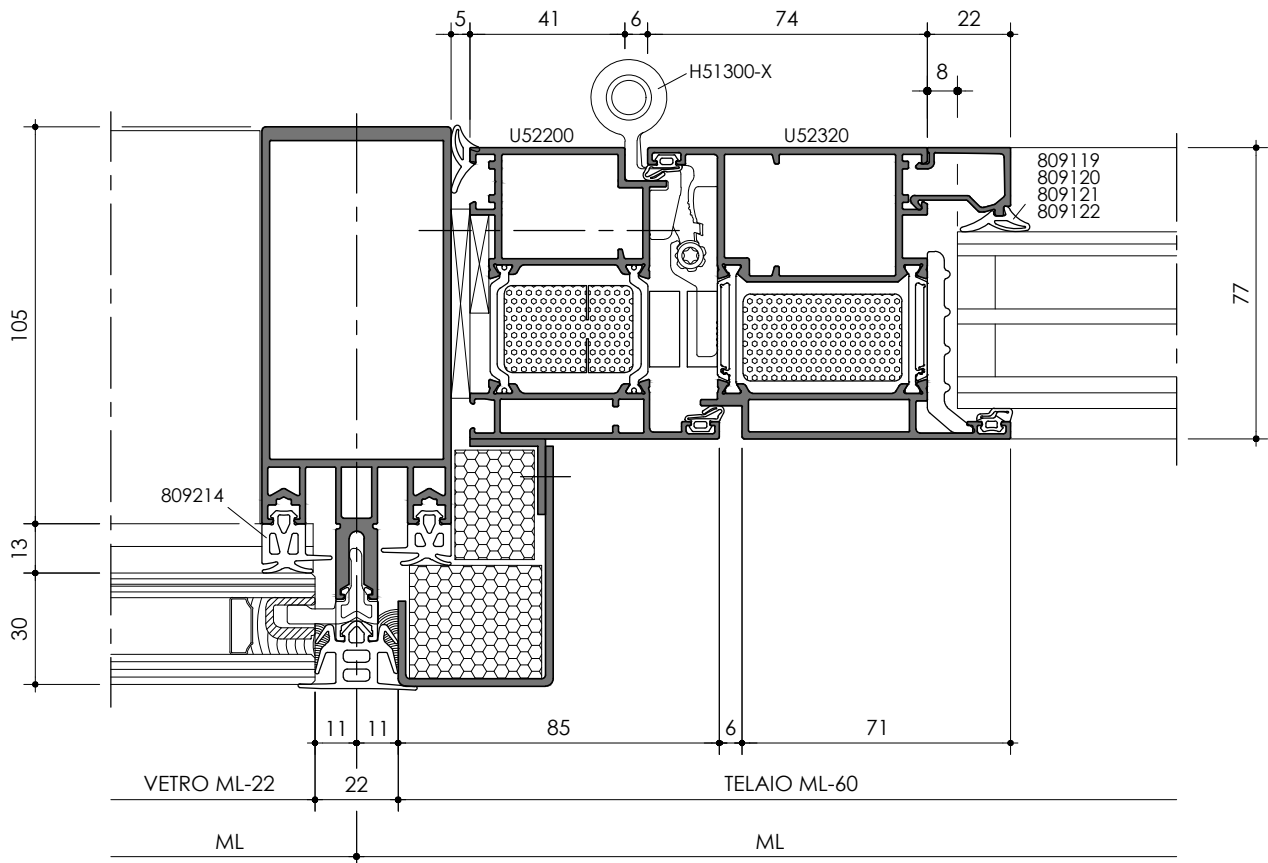
SL	SG - P
	●



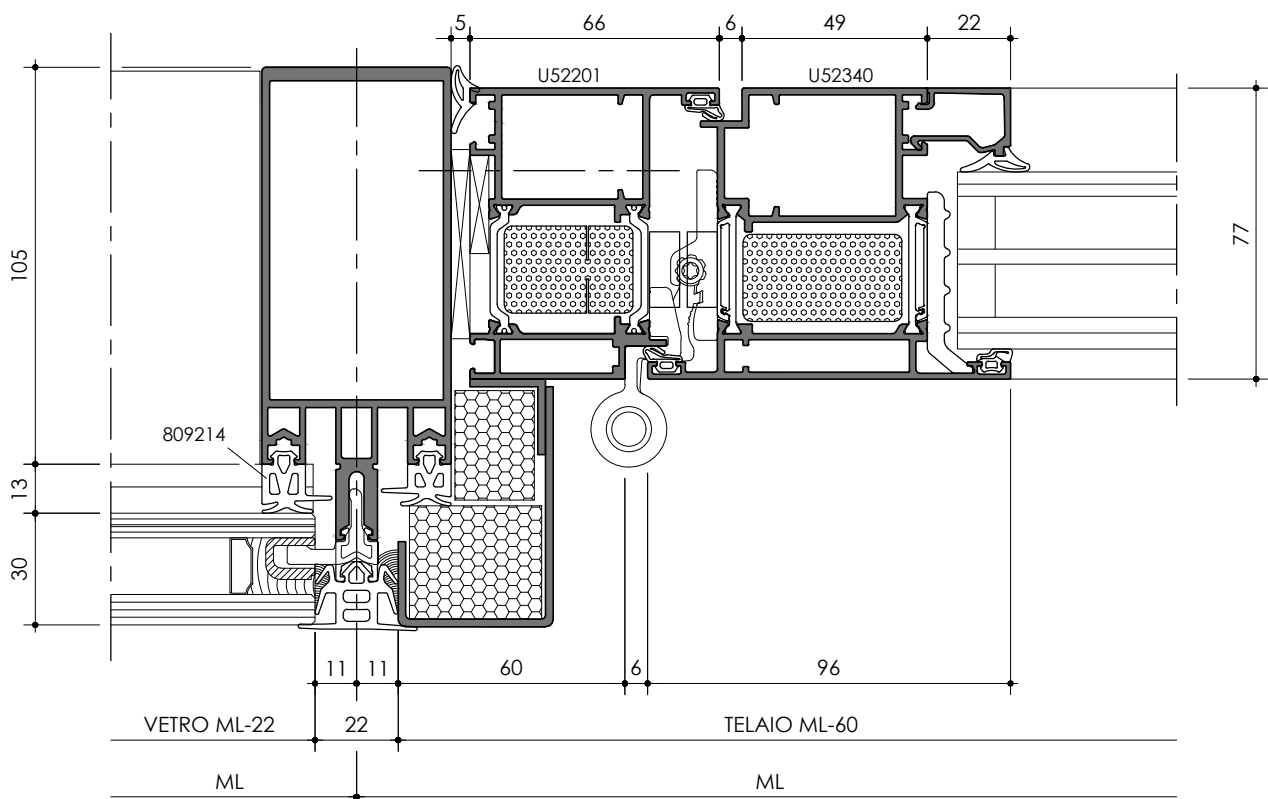
PER COSTRUZIONE PORTE VEDI CATALOGO ALUK D77
FOR DOORS MACHININGS SEE ALUK D77 CATALOGUE

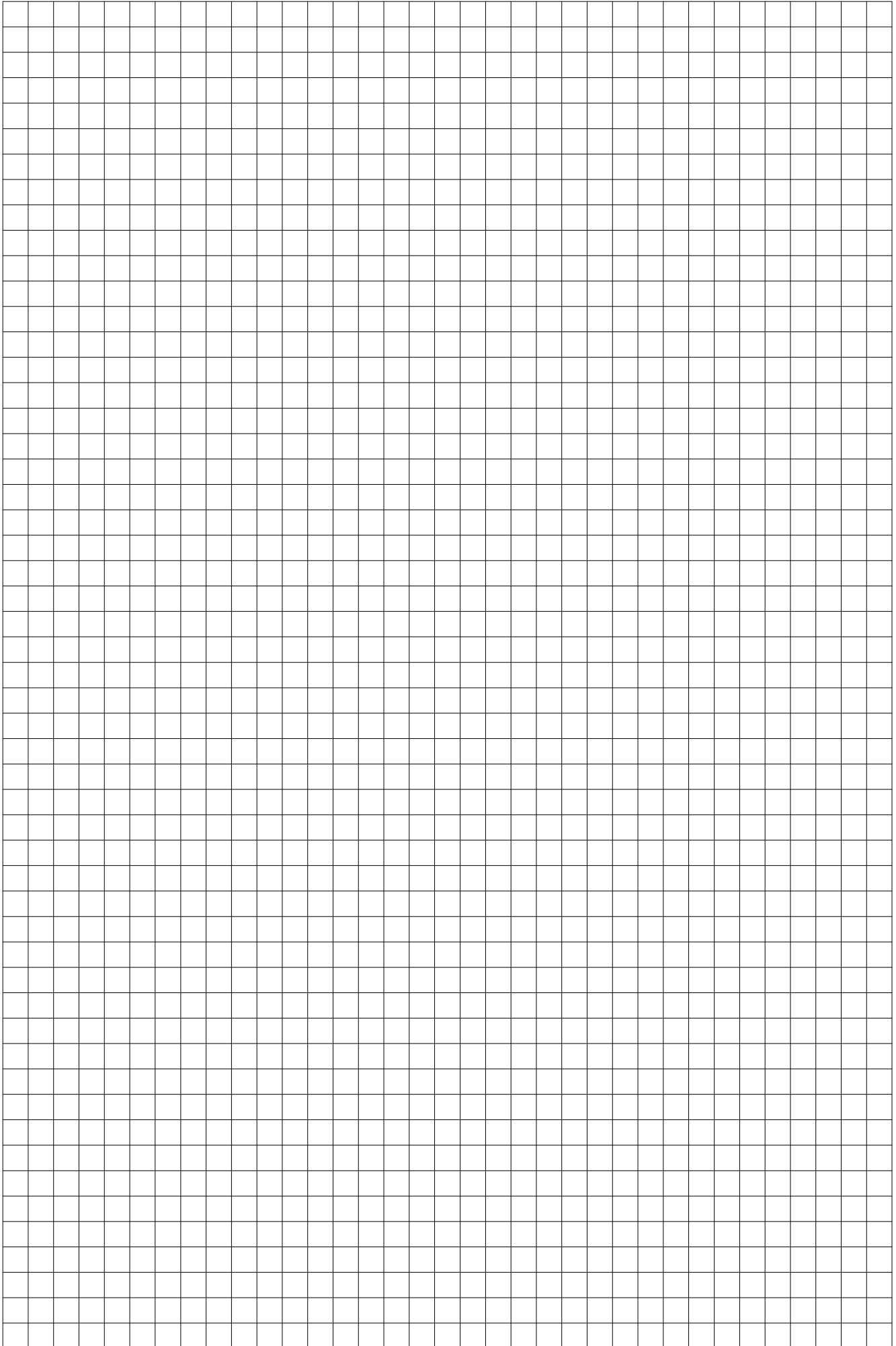


* ATTENZIONE! SQUADRETTA DA RIFORARE - CONTATTARE L'UFFICIO TECNICO
WARNING! CORNER JOINT TO REDRILL - CONTACT THE TECHNICAL DEPARTMENT

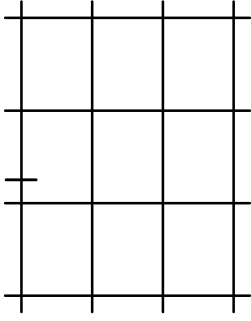


PER COSTRUZIONE PORTE VEDI CATALOGO D77
FOR DOORS MACHININGS SEE ALUK D77 CATALOGUE

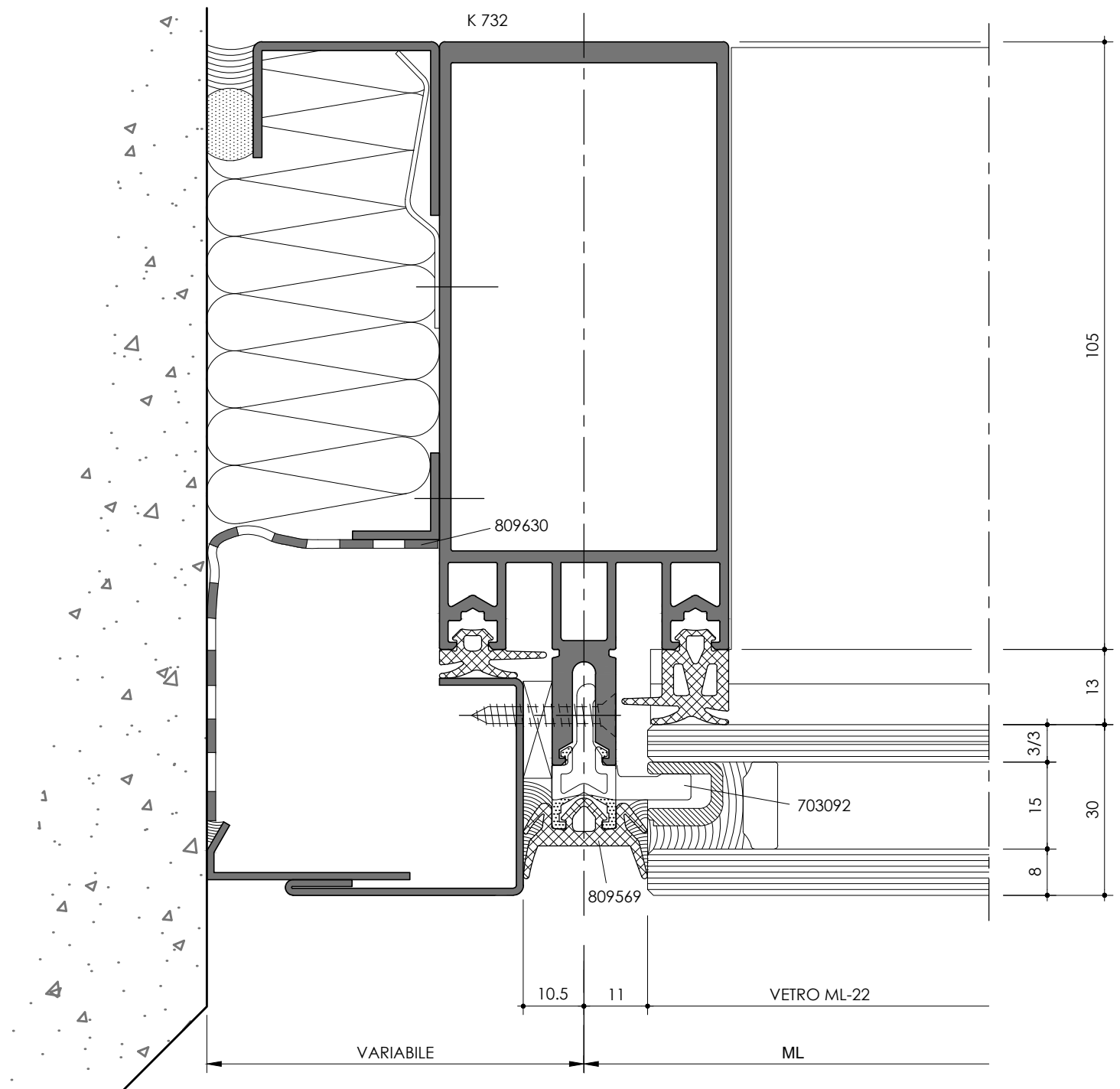




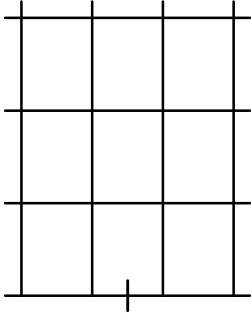
SL	SG
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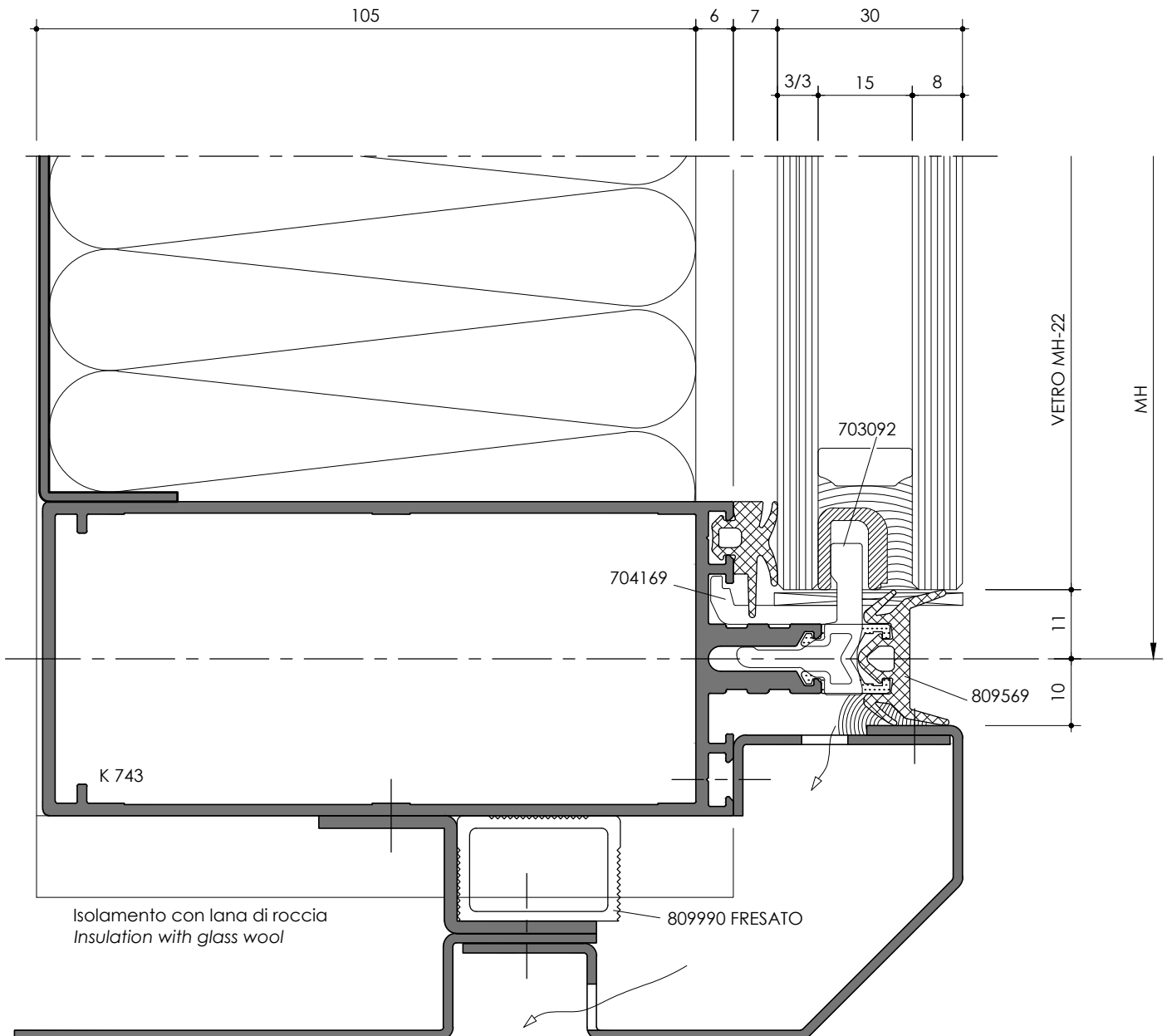
NODI LATERALI DI FACCIATA CURTAIN WALL JAMB DETAILS



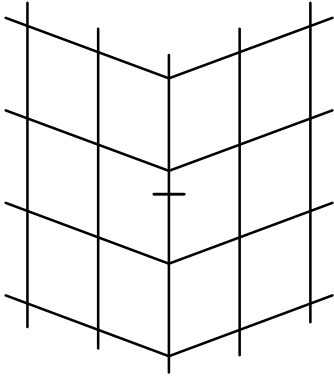
SL	SG
	●



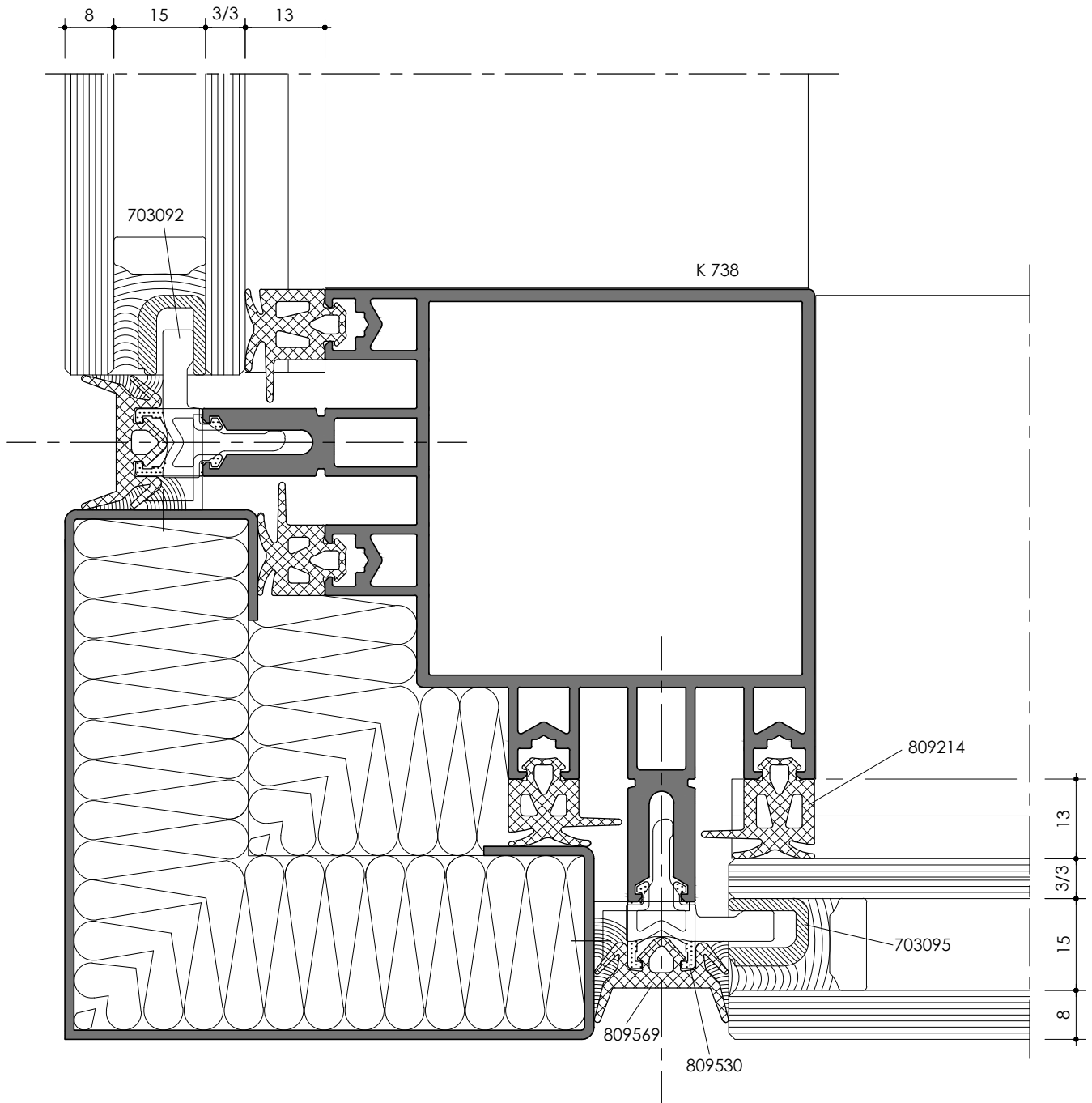
NODI TERMINALI DI FACCIATA CURTAIN WALL TERMINAL DETAILS

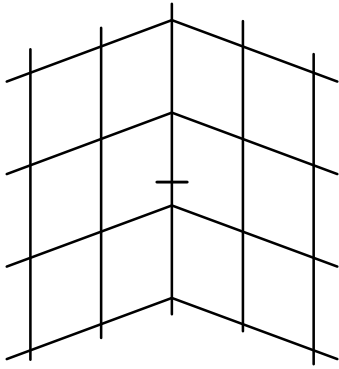


SL	SG
	●

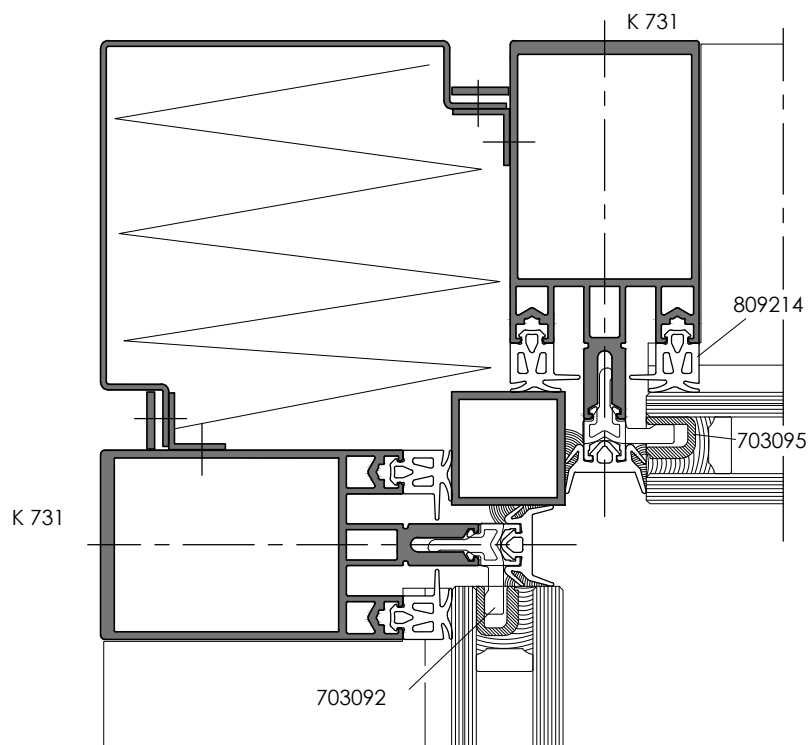
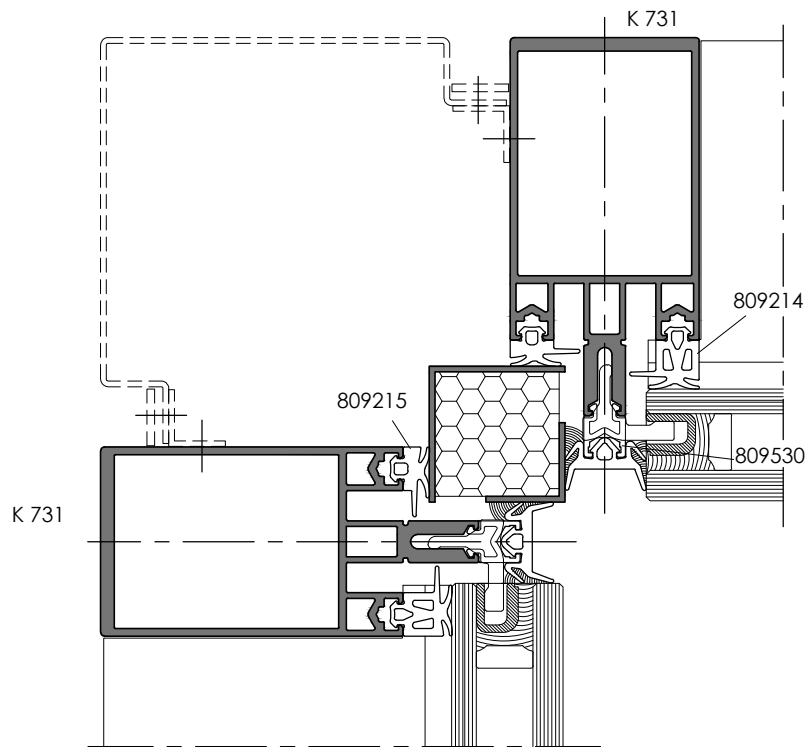


PARTICOLARE ANGOLO FACCIATA
CURTAIN WALL CORNER DETAILS

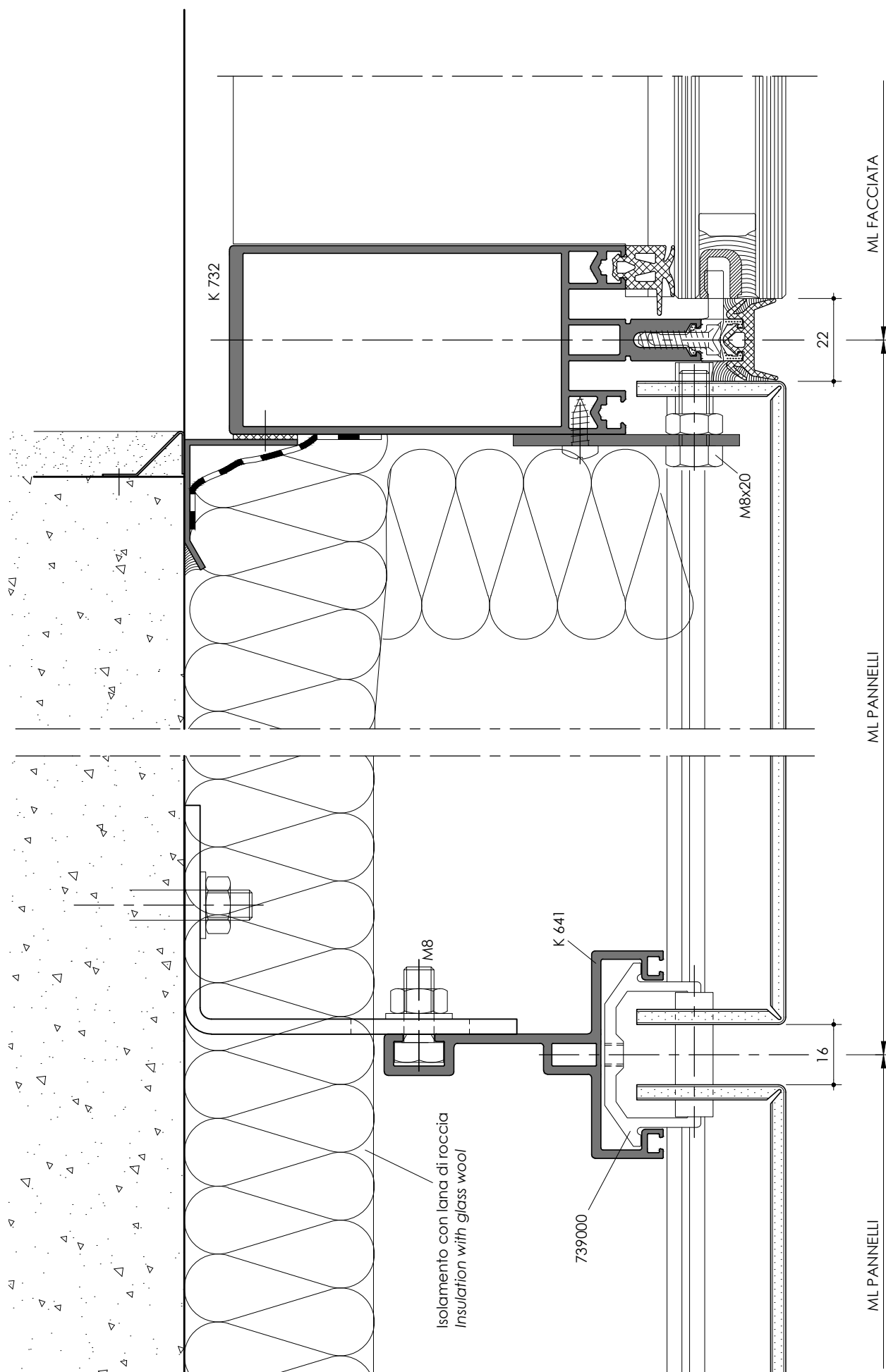


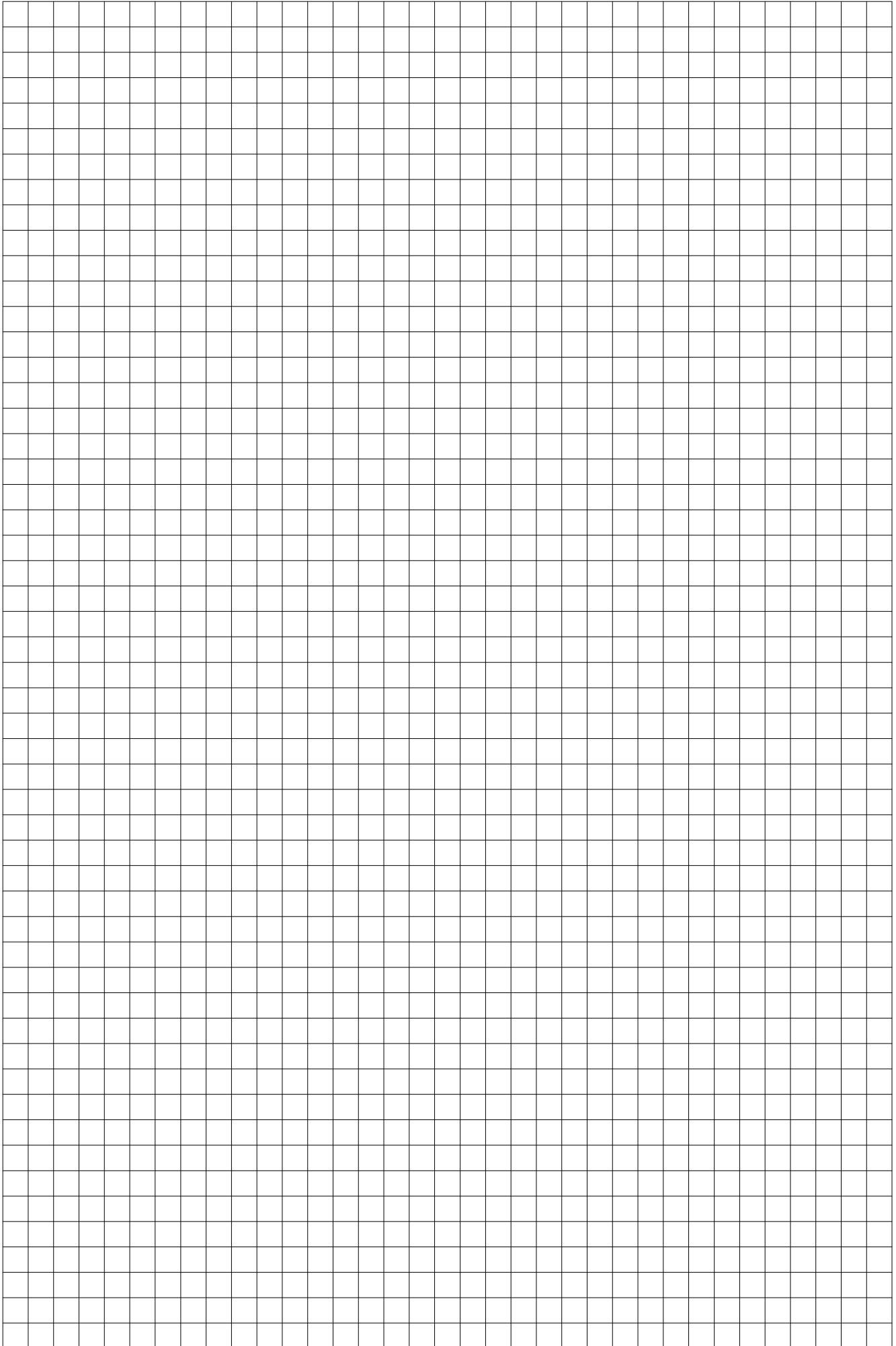


PARTICOLARE ANGOLO FACCIATA CURTAIN WALL CORNER DETAILS



**ESEMPIO DI RACCORDO FACCIAIA SG50 CON RIVESTIMENTO FVM (ALUCOBOND)
MIXED SG50 - FVM SOLUTION (ALUCOBOND)**

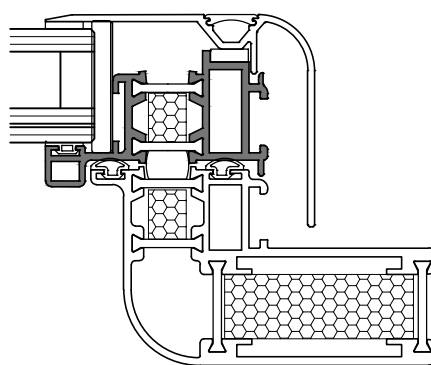
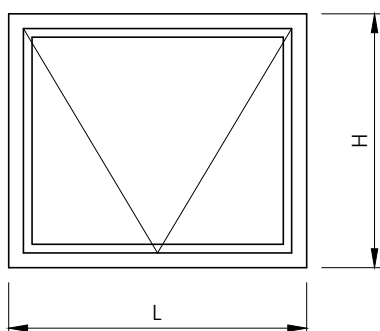
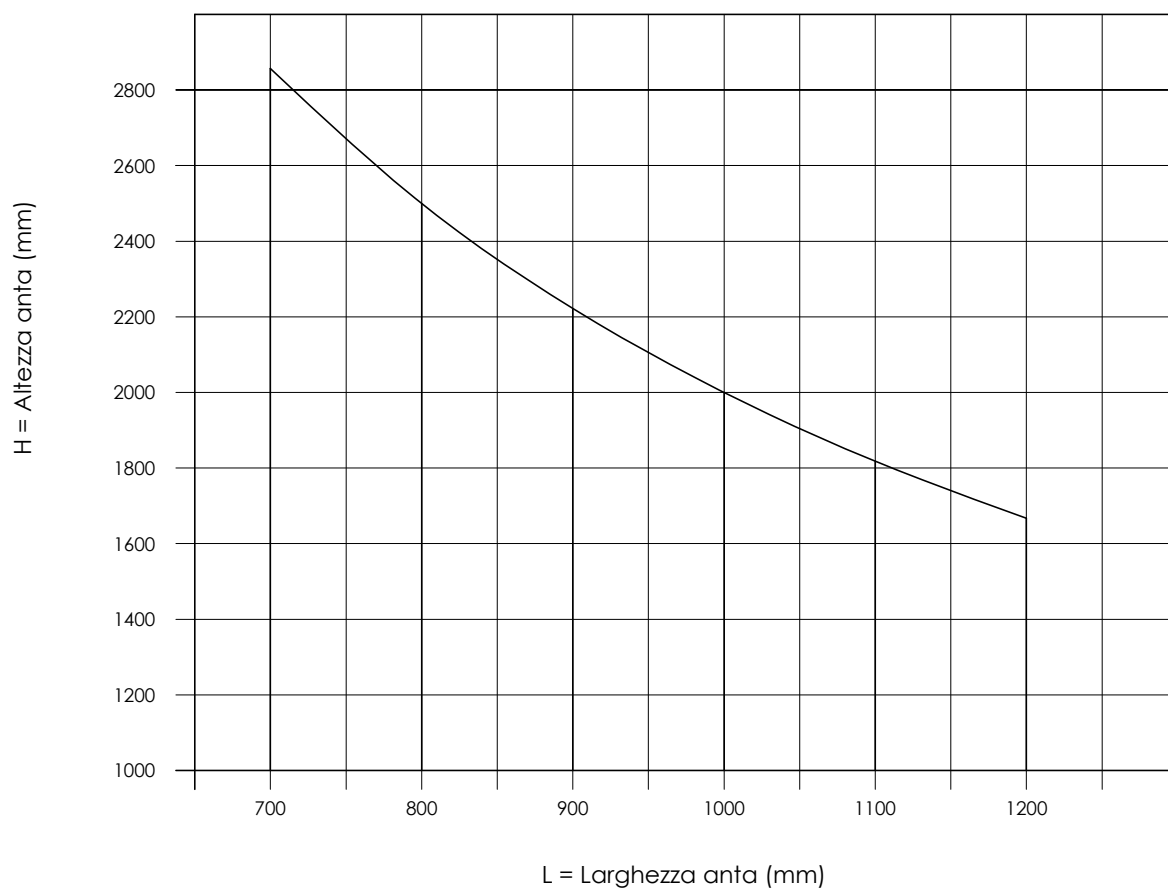




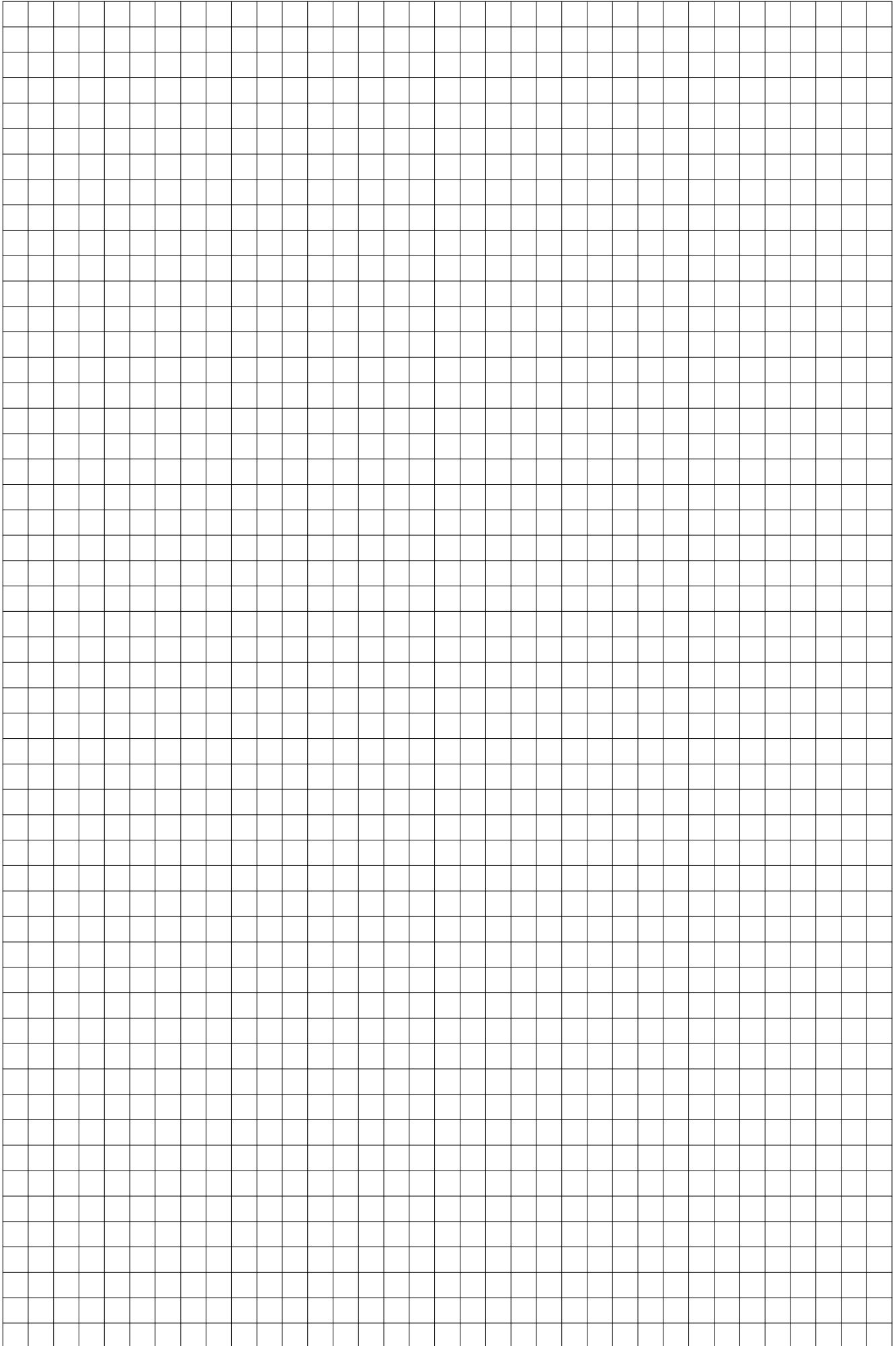
Abbaino

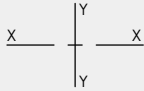
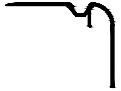
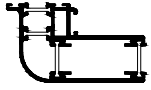
Soluzione per facciate SL
SL curtain wall dormer

DIMENSIONAMENTO ABBAINO ROOF WINDOW DIMENSIONING



- TAMPONAMENTO CON PESO MASSIMO PARI A 70 Kg (valido con 1 abbaino con 1 motore)
- DIMENSIONI MASSIME IN RELAZIONE AL PESO DEL TAMPONAMENTO: vedi grafico
- DIMENSIONI MINIME (L) 700 x (H) 500 mm
- MAX WEIGHT OF INFILL PANEL/GLASS: 70Kg (1 window, 1 motor drive)
- MAX DIMENSIONS RELATED TO INFILL PANEL/GLASS: see diagram weight
- MIN DIMENSIONS: (L) 700 x (H) 500mm



	PROFILO <i>PROFILE</i>	PESO Kg/m <i>WEIGHT</i>	SUP. OX mm <i>OX SUR.</i>	Jx x10 ⁴ mm ⁴	Wx x10 ³ mm ³	Jy x10 ⁴ mm ⁴	Wy x10 ³ mm ³	PAGINA <i>PAGE</i>
	K875	0.68	73					5.01
	K876	1.20	160	2.77	1.42	11.42	3.41	5.01
	K877	2.43	221	16.52	5.83	48.24	10.20	5.01

[illegible]

LEGENDA FINITURE - PER ARTICOLI SPECIFICI VEDI CARTELLA FINITURE
 SURFACE FINISHING ENCODING - SEE CODES ON FINISHING FOLDER

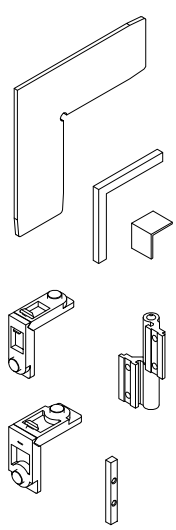
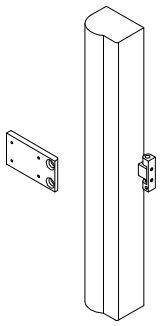
7__X	FINITURA	FINISHING
7__1	ARGENTO	SILVER
7__2	BRONZO	BRONZE
7__3	OTTONE	BRASS
7__4	ELETTROCOLORE	DARK BRONZE
7__5	NERO	BLACK
7__6	TITANIO	TITAN
7__7	GREZZO	RAW
7__8	V RAL	V RAL
7__8	RAL 9010	RAL 9010
7__9	BW 21	BW 21

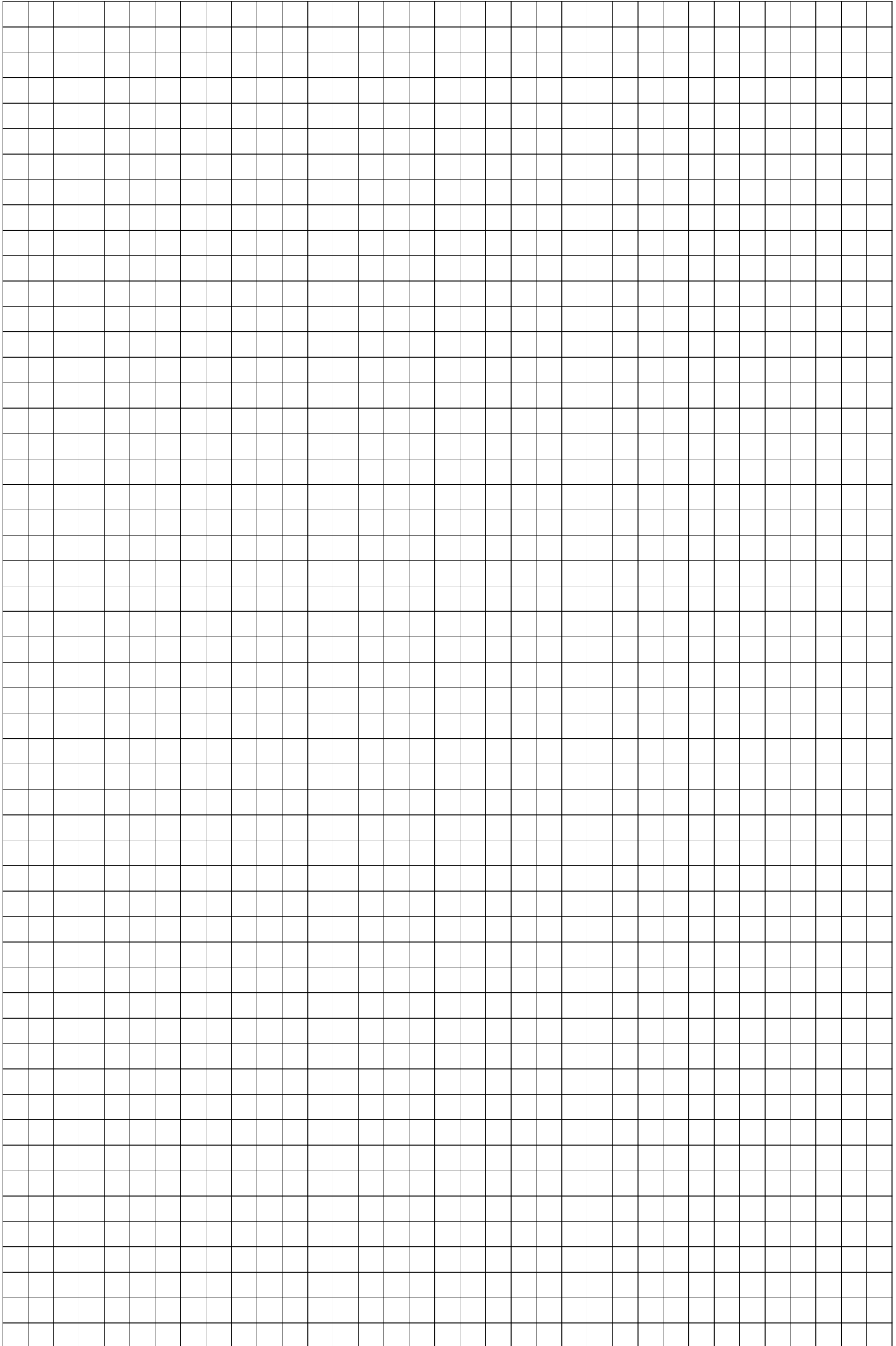
U. V. PEZZI PER CONFEZIONE

U. S. PIECE FOR PACKING

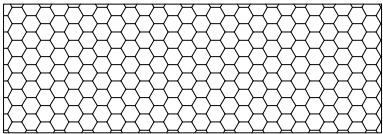
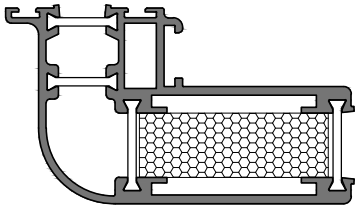
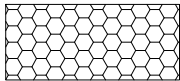
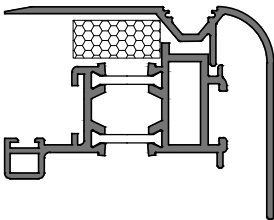
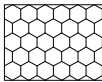
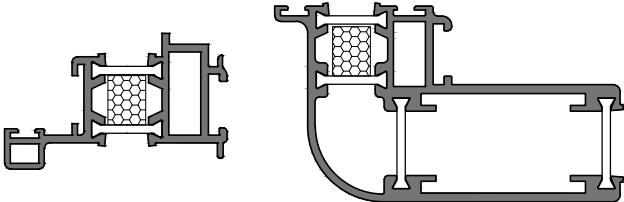
 A RICHIESTA - ON REQUEST

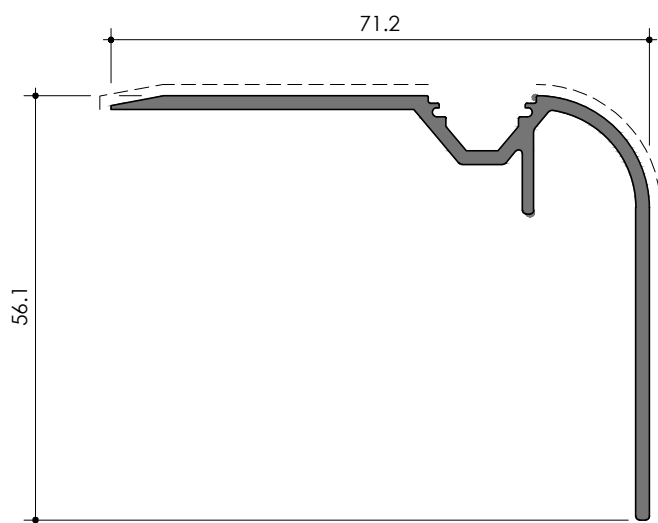
 DISPONIBILE SU RICHIESTA - AVAILABLE ON REQUEST

	CODICE CODE	FINITURA FINISHING	DESCRIZIONE DESCRIPTION	U. V. U. S.
	704250	NERO BLACK	SQUADRETTE, BLOCCHETTO DI FISSAGGIO E CERNIERA CORNER JOINTS, MOUNTING BLOCK AND HINGES	1
	704251	GR	MOTORE PER ABBAINO E STAFFA DI ANCORAGGIO MOTOR DRIVE FOR ROOF WINDOW AND ANCHOR BRACKET	1



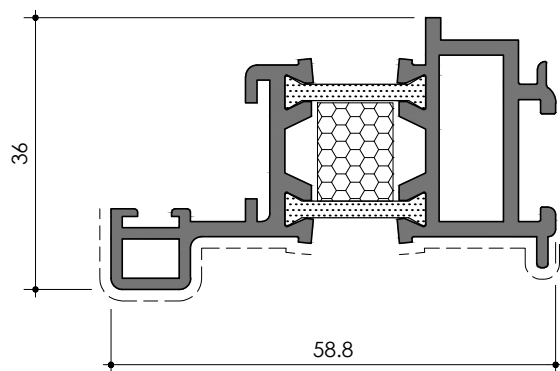
	CODICE <i>CODE</i>	MATERIALE <i>MATERIAL</i>	DESCRIZIONE <i>DESCRIPTION</i>	U. V. <i>U. S.</i>
	809230	EPDM	GUARNIZIONE FINITURA PER TRAVERSO (Bobina da 400 ml) <i>TRANSOM FINISHING GASKET (Spool 400 ml)</i>	ml 6
	809231	EPDM	GUARNIZIONE TELAIO (Bobina da 125 ml) <i>FIXED FRAME GASKET (Spool 125 ml)</i>	ml 6
	809232	EPDM	GUARNIZIONE ANTA (Bobina da 500 ml) <i>FIXED FRAME GASKET (Spool 500 ml)</i>	ml 6
	809233	-	GUARNIZIONE BUTILICA NERA <i>BLACK BUTYL GASKET</i>	ml 25
	809234	-	GUARNIZIONE SPUGNOSA NERA 10x4 <i>10X4 BLACK FOAM GASKET</i>	ml 10
	809235	-	GUARNIZIONE SPUGNOSA NERA 10x10 <i>10X10 BLACK FOAM GASKET</i>	ml 5
	V09032	POLIETILENE	ELEMENTO ISOLANTE VANO VETRO (L=2000 mm) <i>INSULATING ELEMENT IN GLAZING CHAMBER (L=2000 mm)</i>	pz 15

SAGOMA LISTELLI AL VERO <i>STRIPES SECTION REAL SCALE</i>	CODICE <i>CODE</i>	APPLICAZIONE <i>APPLICATION</i>	U. V. <i>U. S.</i>
 LISTELLO ISOLANTE 50x17 <i>50X17 INSULATING STRIP</i>	808102C		pz 10
 LISTELLO ISOLANTE 23x10 <i>23X10 INSULATING STRIP</i>	808106C		pz 40
 LISTELLO ISOLANTE 13x10 <i>13X10 INSULATING STRIP</i>	808107C		pz 70
I LISTELLI VENGONO FORNITI IN BARRE DA 1 METRO <i>STRIPES ARE 1 METER LENGTH</i>			

**K 875**

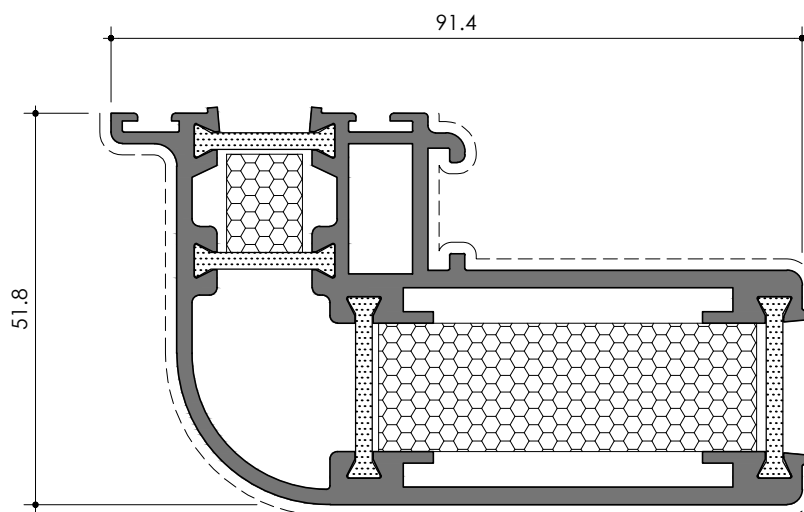
kg/m 0.68

Ox Sup.	73 mm
Perim. t	279 mm

**K 876**

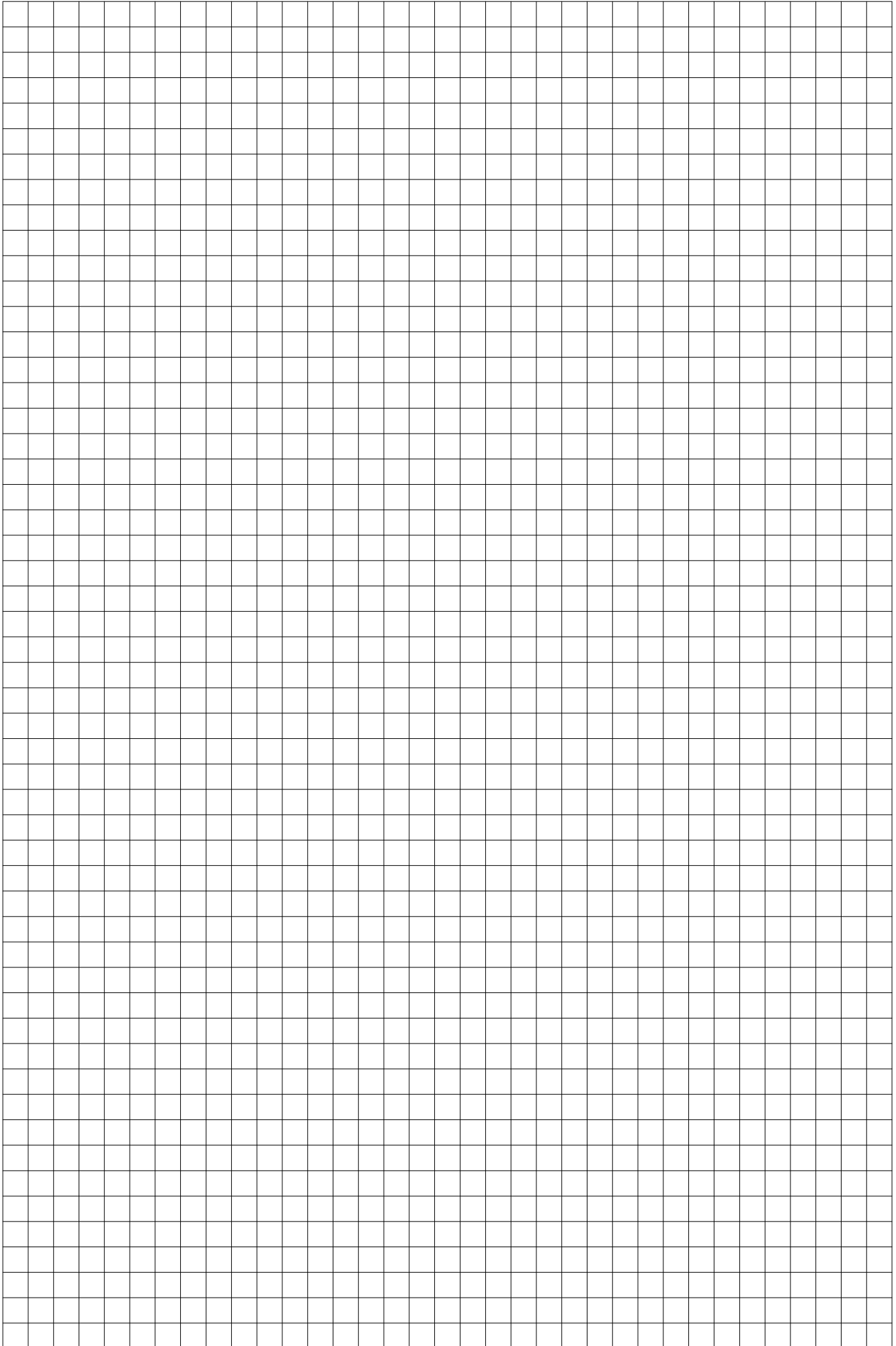
kg/m 1.20

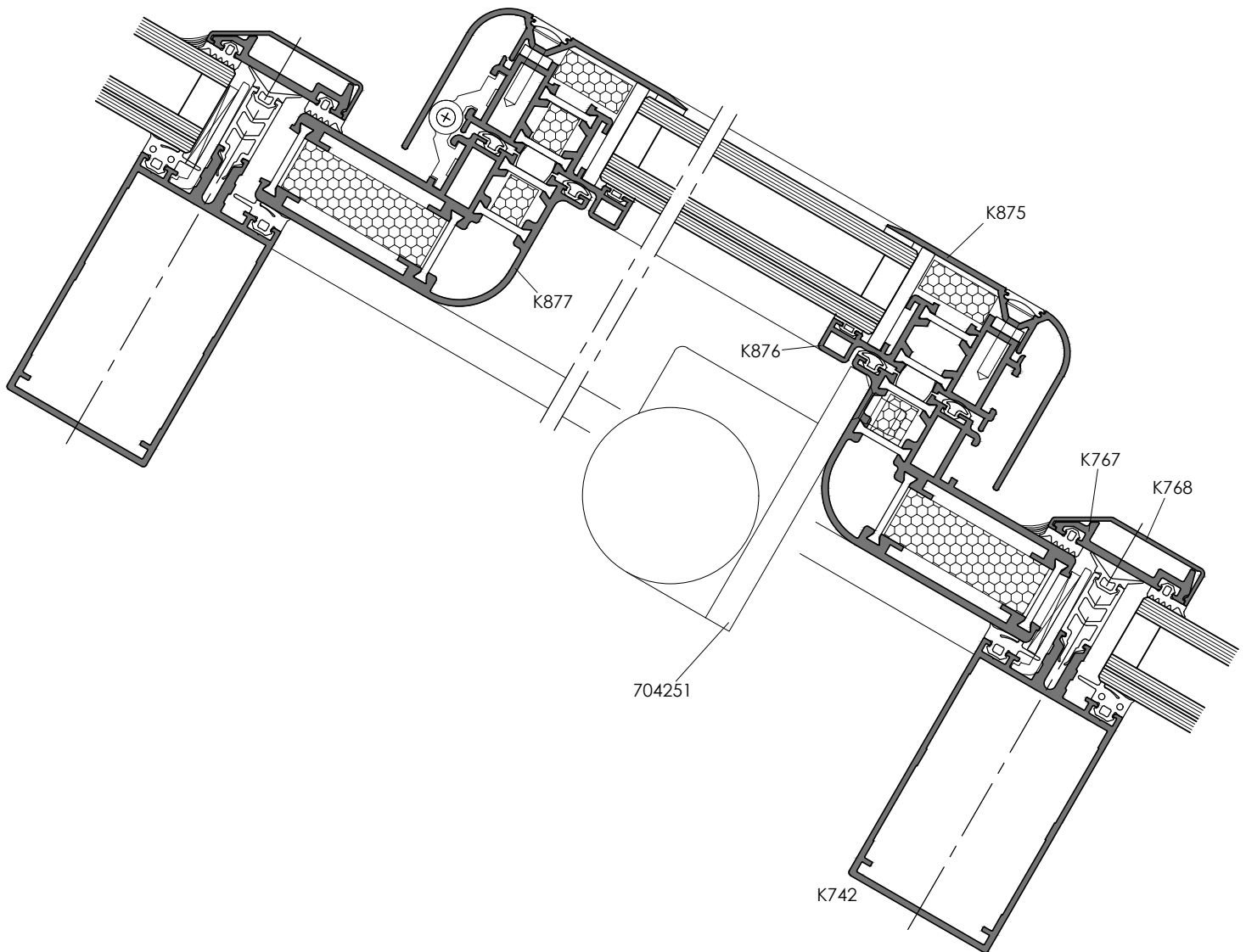
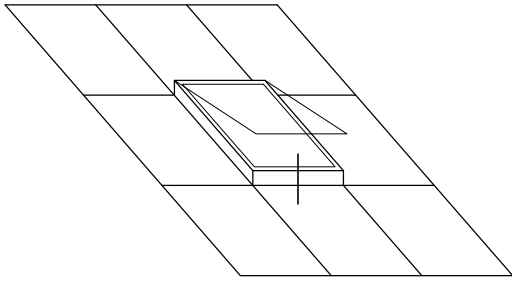
Ox Sup.	160 mm
Perim. t	262 mm

**K 877**

kg/m 2.43

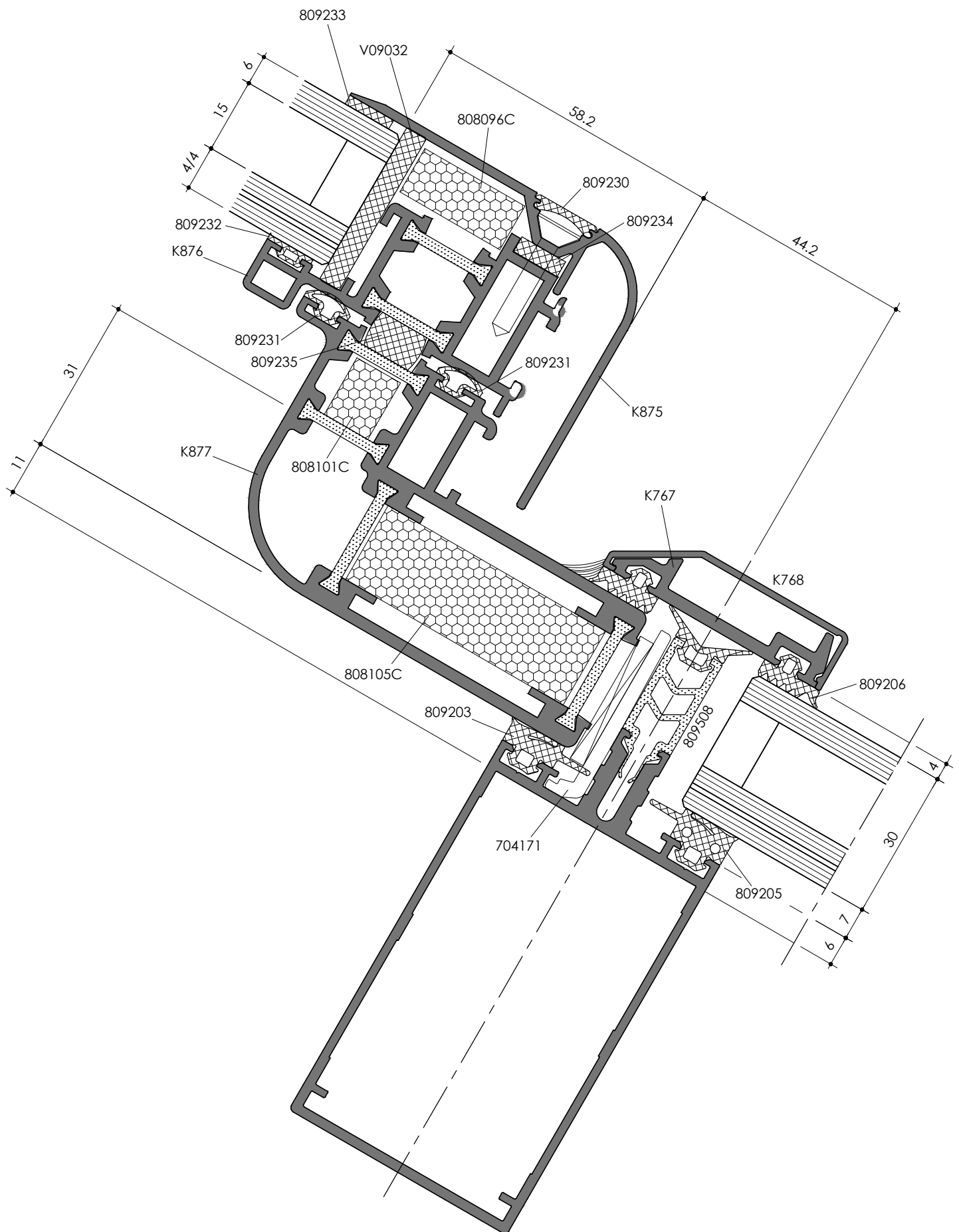
Ox Sup.	221 mm
Perim. t	327 mm





Si raccomanda l'utilizzo di vetrocamera con lastra esterna in vetro temprato e vetro stratificato all'interno come richiesto dalle normative di sicurezza.

We recommend using double glazing with tempered external pane and stratified internal pane as required by safety regulations in force.



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Aluk (IT)

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F:+39 045 9696610
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