SL60

Facciate a montanti e traversi
Stick-wall curtain wall

› Manuale Tecnico e lavorazioni
Technical & machinings manual

REVISIONI / *UPDATES*

La tabella sotto riportata elenca le ultime modifiche apportate al catalogo.
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ULTIMA REVISIONE
LATEST UPDATE

VERSIONE *VERSION*	REVISIONE *REVISION*	**DATA** ***DATE***	**DESCRIZIONE** ***DESCRIPTION***	**PAGINA** ***PAGE***
2	A	-	Versioni precedenti *Previous issue*	-
2	B	18.04. 2023	Messi in esaurimento alcuni profili (K837, K838, K841 e K842) *Put some profiles out of stock (K837, K838, K841 e K842)*	2.04 - 2.05 - 5.06 5.08 - 6.07 - 6.08 - 8.75
			Eliminato art. K1814 *Removed art. K1814*	2.09 - 2.10 - 5.52 - 8.12
		14.09.2023	Eliminato art. 809940 *Removed art. 809940*	4.05

INDICE

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 al 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) ed avere pertanto apposta la marcatura CE come attestazione di conformità in accordo alla norma di riferimento **UNI EN 13830** "Facciate continue - Norma di prodotto".
Il Costruttore è tenuto 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, ove previsti.
La società declina ogni responsabilità derivante dal mancato rispetto di quanto sopra.

DESCRIZIONE DEL SISTEMA

Il sistema ALUK SL60 SKYLIGHT è stato studiato per poter realizzare facciate continue verticali, facciate inclinate, coperture, cupole, tunnel e costruzioni poligonali.

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 60 mm. La 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.

Speciali profilati aggiuntivi per i montanti e traversi, ad angolazione variabile, consentono di realizzare costruzioni poligonali e coperture inclinate.

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.

Particolare cura é stata posta per eliminare i fastidiosi fenomeni dovuti alla dilatazione termica degli elementi costituenti la griglia di facciata.
I giunti di dilatazione dei montanti sono infatti rivestiti di materiale sintetico antifrizione in modo da evitare il contatto tra metallo e metallo; così pure le viti in acciaio inossidabile per fissaggio dei pressori sono dotate di rondelle antifrizione in poliammide.

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

Per le facciate verticali è inoltre possibile utilizzare, sempre sulla struttura di 60 mm di larghezza, una copertina ridotta con mostra esterna di 50 mm.

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 taglio termico ad anta od anta-ribalta con battente occultato nello stipite
- infisso a sporgere con vetrazione strutturale o ritegno meccanico.
- porte con battente apribile all'interno o all'esterno
- infisso abbaino per facciate inclinate e coperture.

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.

TAGLIO TERMICO

L'interruzione del ponte termico é ottenuta mediante l'inserimento di un profilato in materiale sintetico a bassa conducibilità interposto tra il montante ed il pressore bloccavetro.
Il valore di trasmittanza termica della griglia di facciata ALUK SL60 varia tra 2,0 e 3,3 W/m^2K (in funzione del profilo e dello spessore di vetro utilizzato) per la tipologia tradizionale e tra 1,1 e 1,3 W/m^2K per la variante con resistenza termica incrementata, come da calcolo secondo UNI EN 13947.

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 coperture inclinate é prevista inoltre l'applicazione di un nastro butilico autoadesivo, protetto da film in alluminio, da porre tra i vetri ed il relativo pressore esterno.

ACCESSORI

I giunti di dilatazione dei montanti e le mensole per i traversi sono realizzati in lega primaria di alluminio (EN AW-6060). Le viti previste per il loro fissaggio come tutta la viteria del sistema sono in acciaio inossidabile. I coprigiunti di tenuta per le connessioni dei vari elementi sono realizzati in materiale sintetico rinforzato, mentre le flange di finitura dei traversi sono costruite in materiale termoplastico flessibile. 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.
I compassi ad autobilanciamento per le aperture a sporgere sono realizzati in acciaio inossidabile e permettono una apertura variabile da 20° a 45° a seconda del tipo utilizzato. Il bloccaggio dell'apertura avviene per mezzo di una cremonese a rotazione, aste di rinvio e nottolini di 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

Lo spessore del vetro utilizzabile può variare da 5 a 38 mm, adottando le modalità illustrate in questo catalogo. Per l'eventuale utilizzo di vetri con spessore superiore si dovrà consultare il nostro ufficio tecnico.
Per quanto concerne la vetrazione di pareti inclinate e coperture si raccomanda l'utilizzo di vetrocamera con lastra esterna in vetro temprato e vetro stratificato all'interno come richiesto dalle normative di sicurezza vigenti.

INCOLLAGGIO STRUTTURALE ED INDICAZIONI SULLA RESPONSABILITA'

La facciata ALUK SL60 può essere integrata con l'inserimento di infissi apribili a sporgere strutturali. Questa tipologia costruttiva è caratterizzata dalla modalità di vetrazione 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 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 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 standards.

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.

SYSTEM DESCRIPTION

The ALUK SL60 SKYLIGHT system is designed to build vertical curtain walls, inclined curtain walls, glazed roofing, skylight, tunnels 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 60 mm wide aluminium mullions and transoms. The 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.

Polygonal structures and inclined roofs are made by using special variable-angle additional sections for transoms and mullions.

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

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. Stainless steel screws, fastening the pressure plate, are supplied with polyamide anti-friction washers.

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

A smaller cover, with 50 mm external surface, can be used on vertical curtain walls on a 60 mm wide structure.

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:

- *thermally insulated frame for shutter or turn and tilt opening with hidden jamb sash*
- *top-hung windows with structural glazing or retaining device*
- *doors opening inward or outward*
- *roof windows for sloped curtain walls*

SYSTEM DESCRIPTION

SECTIONS

Extruded aluminium sections are made from EN AW-6060 alloy (T66 temper) homogenized billets according to EN 755-2 standard with minimum alloy tolerances and suitable for anodizing and painting.
Dimension tolerances are in compliance with EN 12020-2 standards.

THERMAL BREAK

The thermal barrier is made by inserting a low thermal conductivity section, between mullion and pressure plate.
The ALUK SL60 system has thermal transmittance values between 2,0 and 3,3 W/m^{2}K (depending on aluminium section and glass thickness) for the standard version and 1,1÷1,3 W/m^{2}K for the "ITR" version, by calculation according to EN 13947 standard.

GASKETS

Both static and dynamic gaskets are made of EPDM (ethylene-propylene elastomer).
Their characteristics comply with DIN 7863 standards. For vertical curtain walls and inclined surfaces also include application of a self-adhesive butyl tape protected by aluminium foil and placed between the glazing and the external pressure plate.

ACCESSORIES

Expansion joints for the mullions and brackets for transoms are made of primary aluminium EN AW-6060 alloy. Screws used to fix them, like all the bolts and nuts in the system, are stainless steel. 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. Top-hung windows corner joints are made using solid aluminium brackets. Hinges are made from aluminium extruded elements with steel hinge pins and anti-friction resin bushings. Self-balancing arms are made of stainless steel 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.

GLAZING

Glass thicknesses can vary from 5 to 38 mm using the procedures illustrated in this catalogue. In case of thicker glasses, do consult our technical department. 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 SL60 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. :

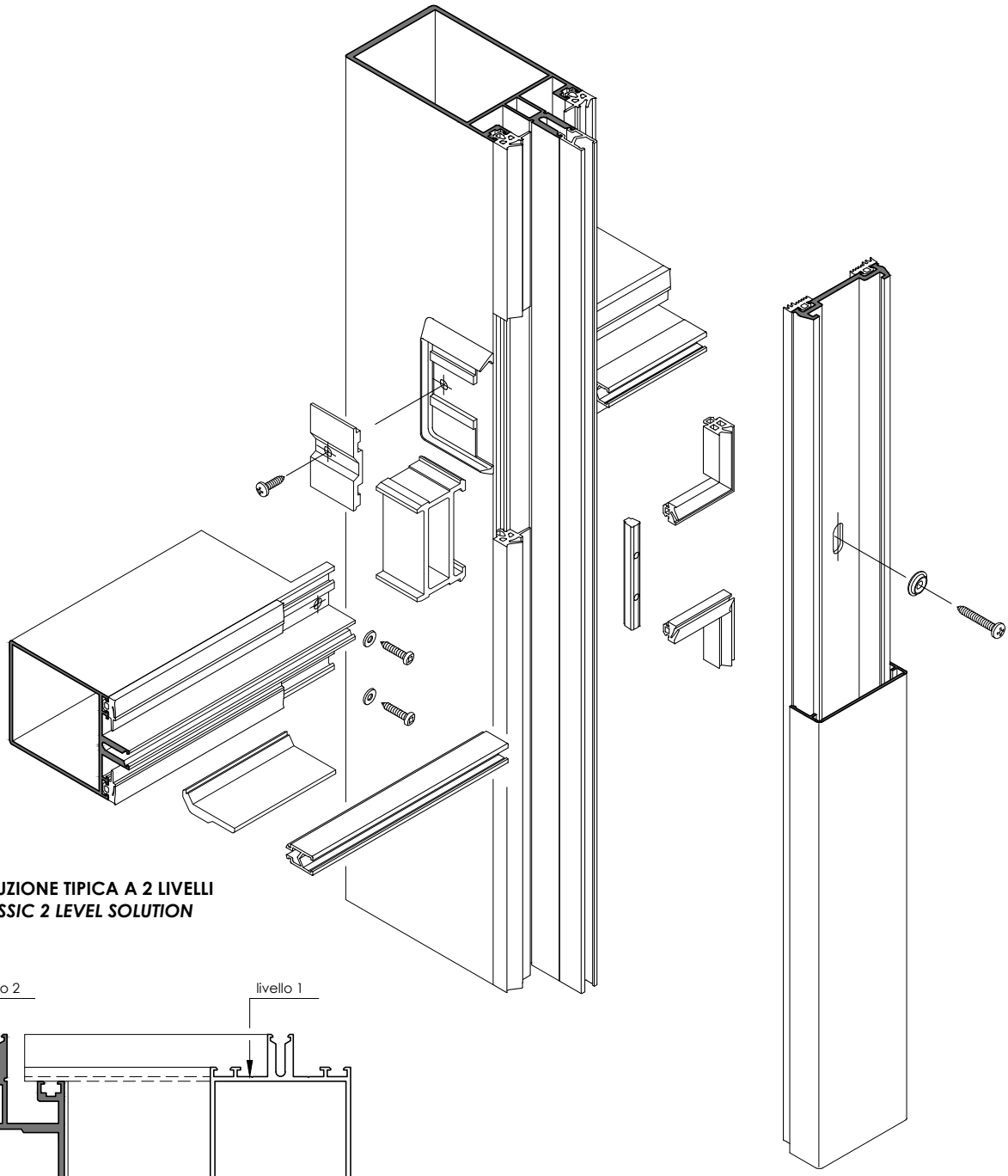
- *degreasing*
- *washing*
- *etching*
- *washing*
- *chromium plating*
- *double washing in demineralized water*
- *furnace drying process*

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.

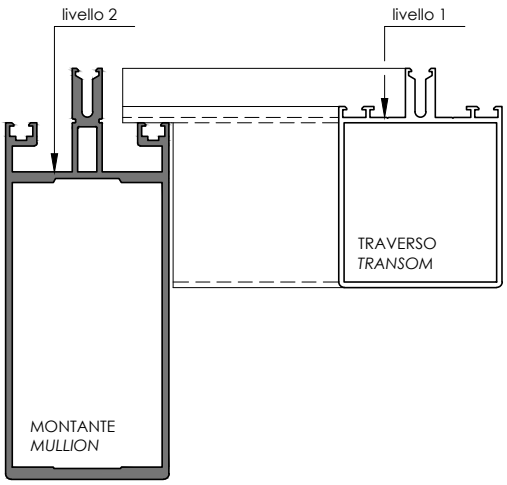
The powders used are QUALICOAT homologated .

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.

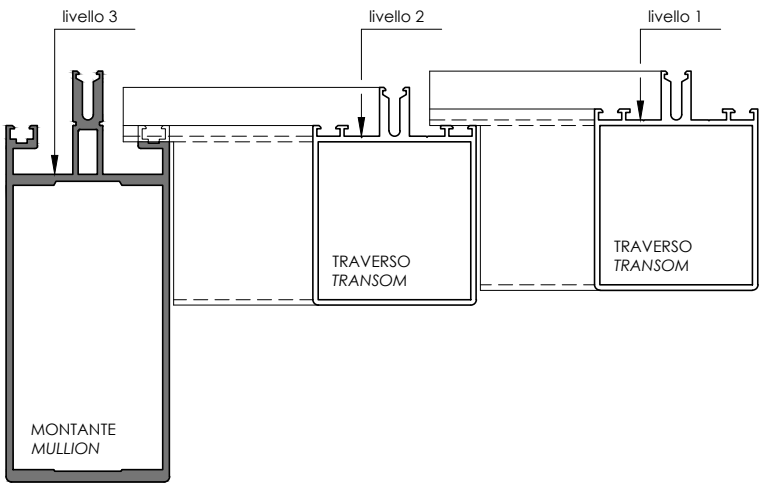
PRINCIPIO COSTRUTTIVO DEL SISTEMA
CONSTRUCTION SYSTEM PRINCIPLE



SOLUZIONE TIPICA A 2 LIVELLI
CLASSIC 2 LEVEL SOLUTION



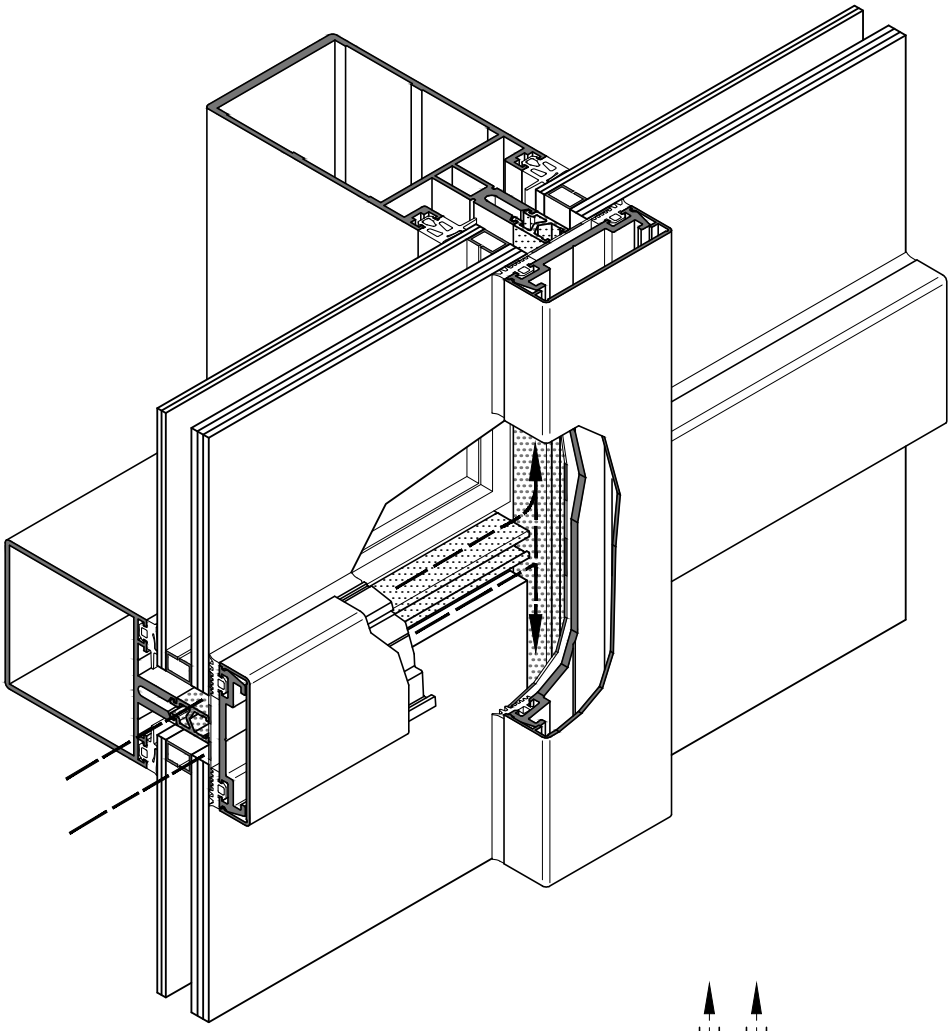
SOLUZIONE A 3 LIVELLI
3 LEVEL SOLUTION

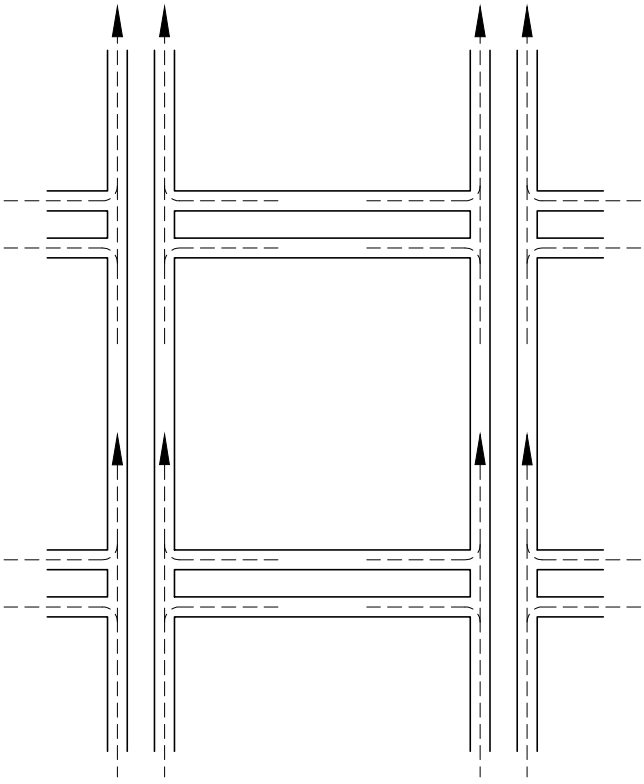


L'assemblaggio dei vari elementi dovra' essere eseguito secondo gli schemi illustrati per permettere il drenaggio del sistema

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

PRINCIPIO DI VENTILAZIONE
PRINCIPLE OF VENTILATION



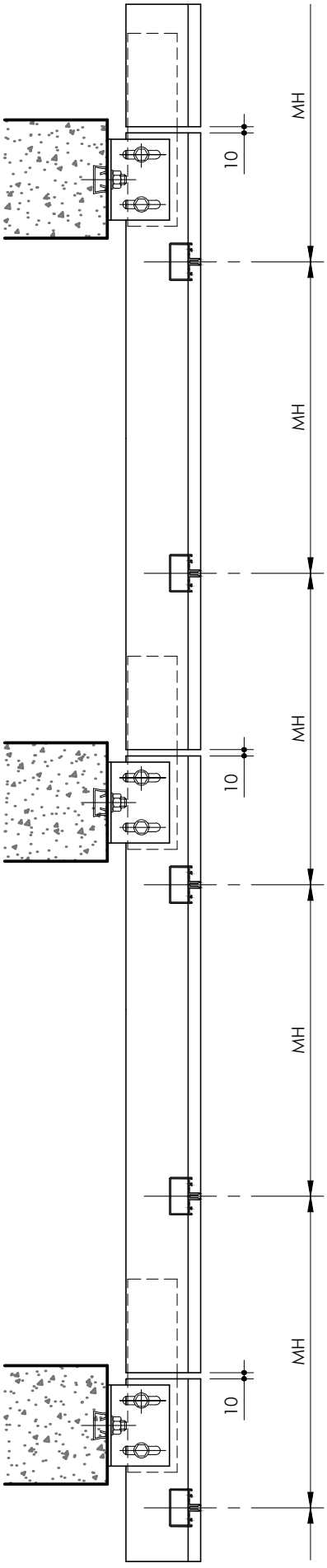


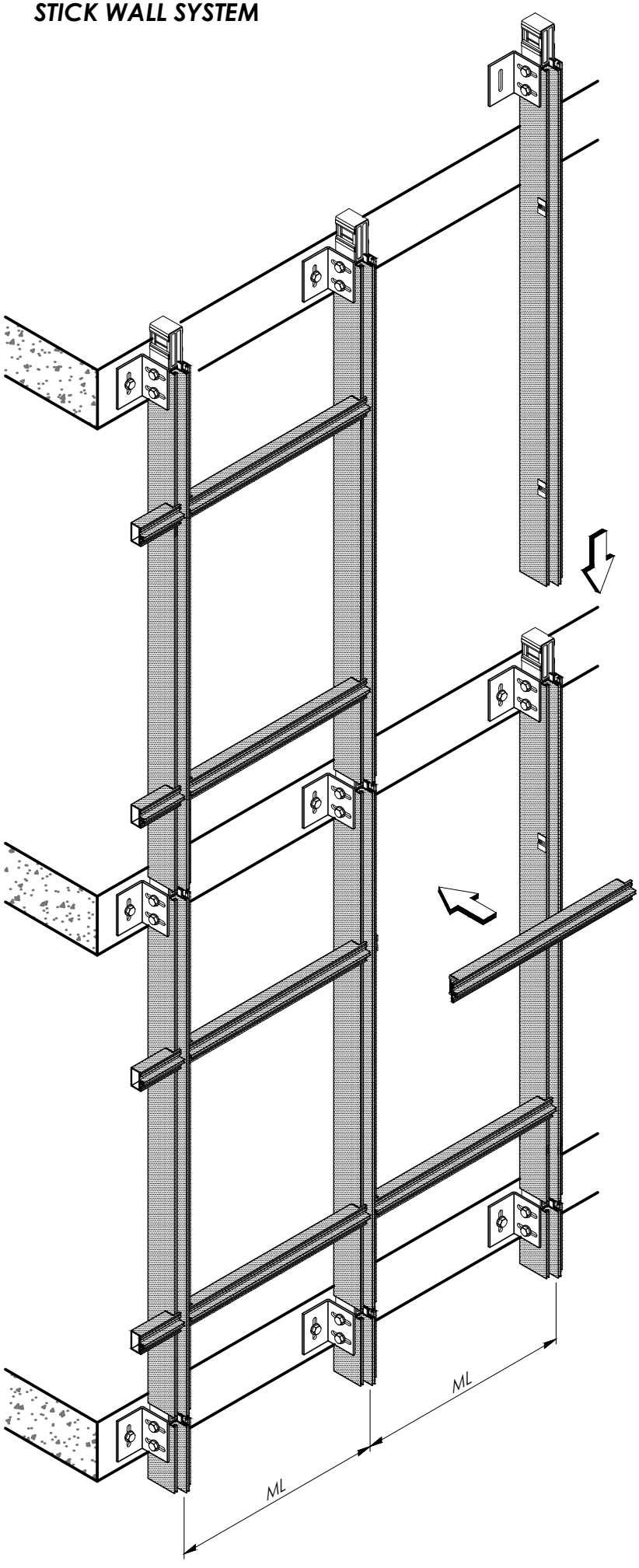
LA VENTILAZIONE E' ASSICURATA DAL COLLEGAMENTO DEL CANALE REALIZZATO TRA VETRO E TRAVERSO CON IL CANALE PRINCIPALE DEL MONTANTE

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

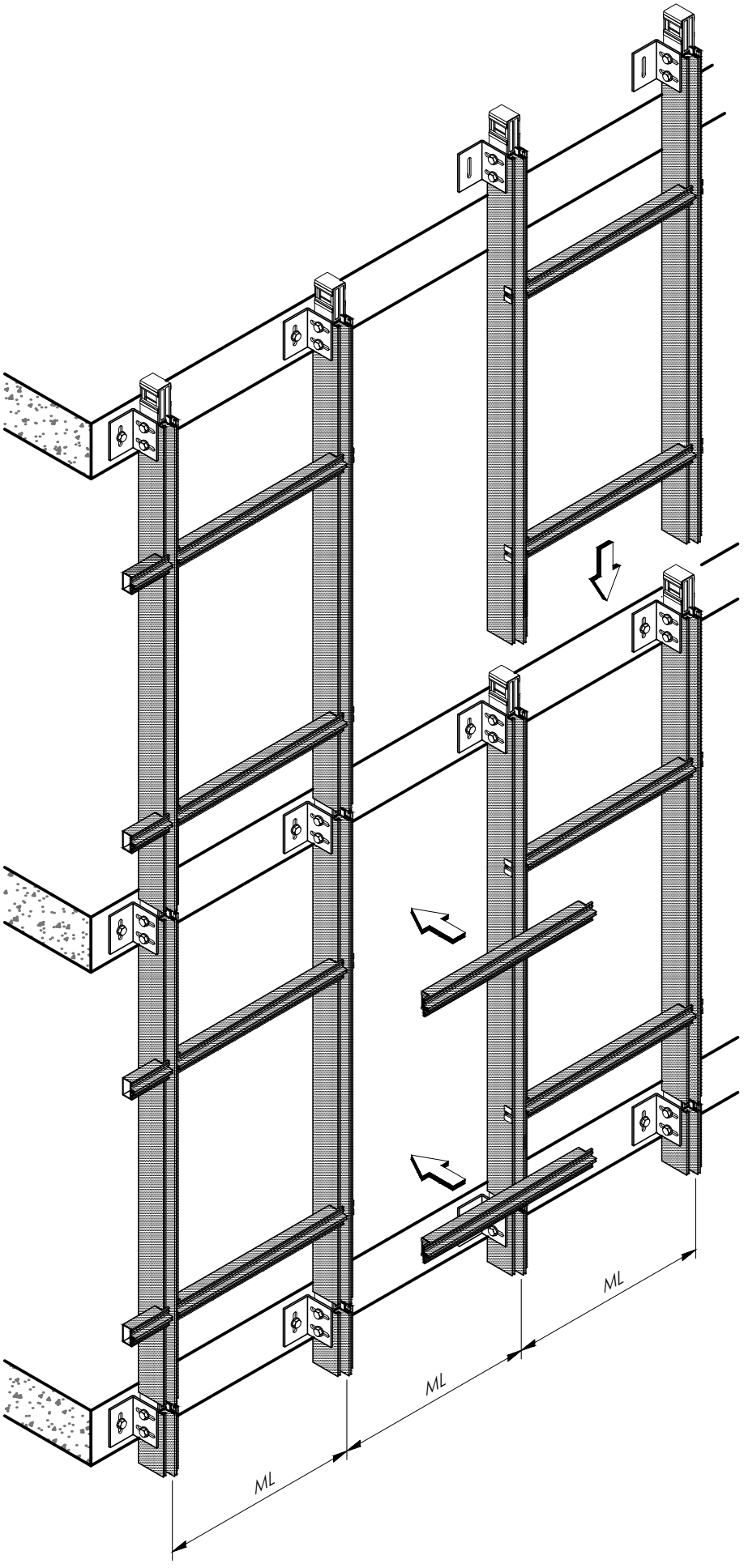
STICK WALL SYSTEM





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.

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.

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

$M_{Rd} = W_X \cdot f_0 / 1,1$ momento resistente di progetto
$M_{Ed} = 1,5 \cdot Q \cdot H / 8$ momento di progetto

caratteristiche della lega di alluminio EN AW-6060 T66 secondo UNI EN 755-2

$f_0 = 150$ N/mm^2
E = 70.000 N/mm^2

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 multistory 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

$M_{Rd} = W_x \cdot f_0 / 1,1$ *design moment resistance*
$M_{Ed} = 1,5 \cdot Q \cdot H / 8$ *design moment*

aluminium alloy EN AW-6060 T66 features, according to EN 755-2:

$f_0 = 150$ N/mm^2
E = 70.000 N/mm^2

DIAGRAMMA STATICO - PRESSIONE DEL VENTO

STATIC DIAGRAM - WIND PRESSURE

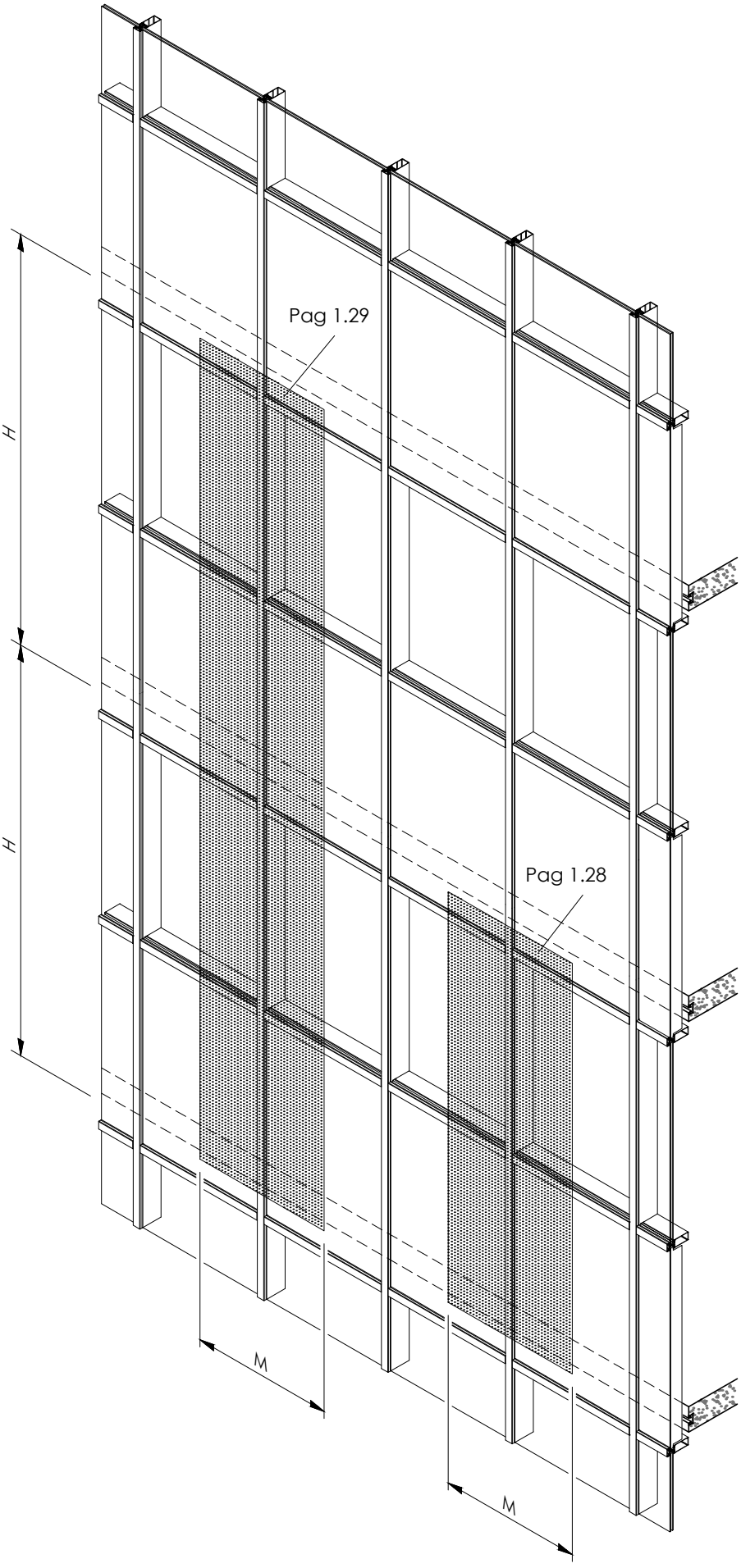
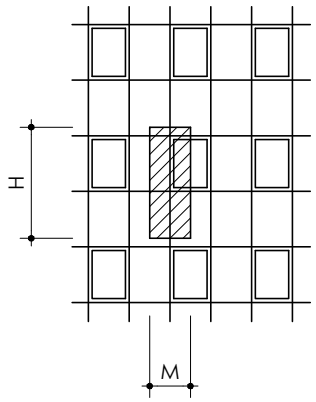


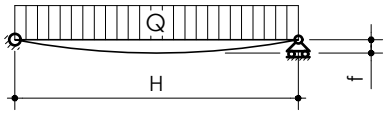
DIAGRAMMA STATICO - PRESSIONE DEL VENTO
STATIC DIAGRAM - WIND PRESSURE

SISTEMA
SYSTEM



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

SCHEMA STATICO
STATIC SCHEME



MOMENTO D'INERZIA
MOMENT OF INERTIA

[x 10^4 mm^4]

FORMULA DI CALCOLO
CALCULATION FORMULA

$$Jx = \frac{5}{384} * \frac{Q * H^3}{E * f_{Cd}}$$

Jx = MOMENTO D'INERZIA *MOMENT OF INERTIA* [mm^4]

Q = CARICO TOTALE *LOAD* [N]

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

$$Q = w * M * H = [N]$$

E = MODULO DI ELASTICITA' *ELASTIC MODULUS* [N/mm^2]

f_{Cd} = FRECCIA *DEFLECTION* [mm]

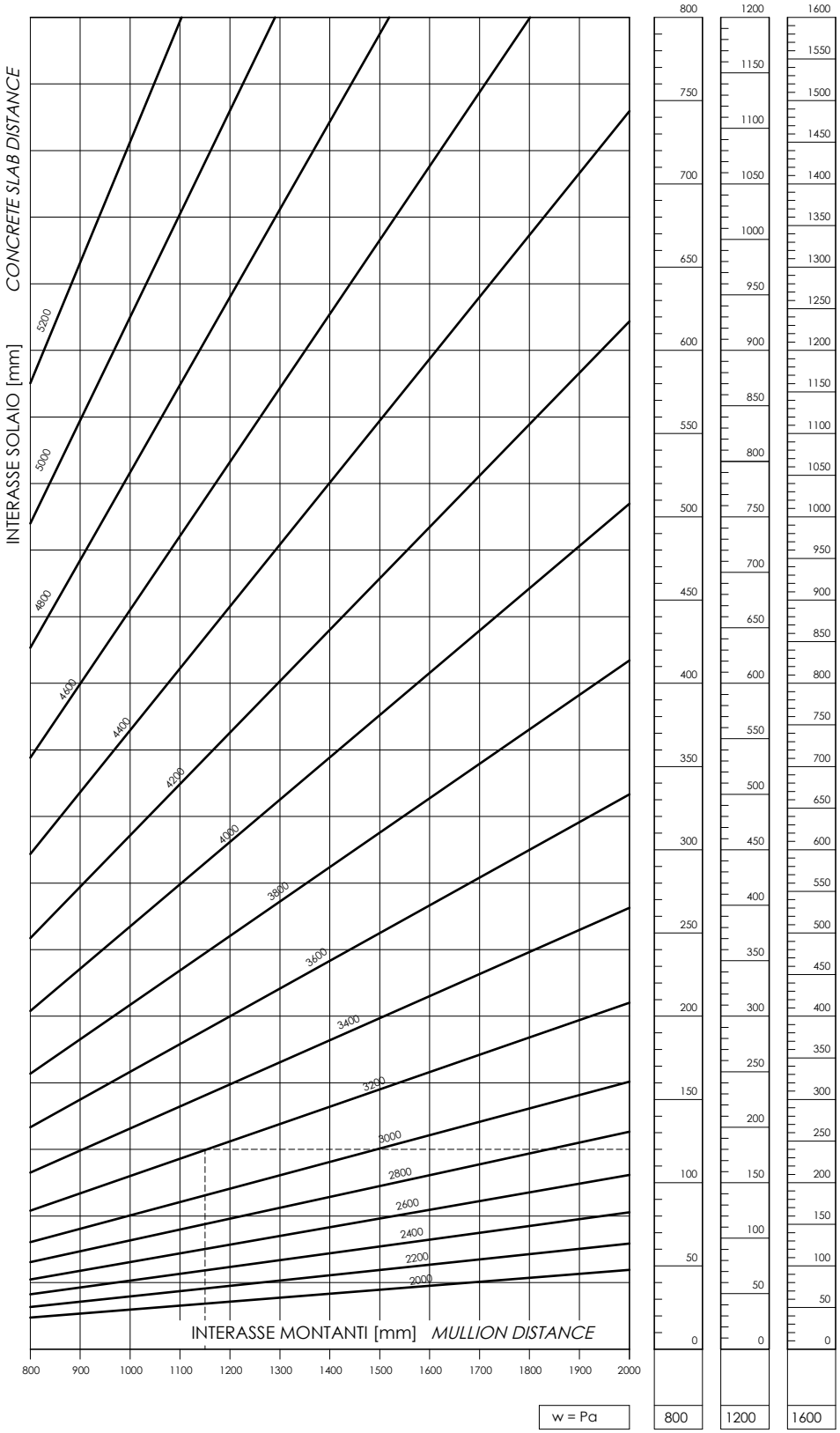
ESEMPIO DI FACCIATA
EXAMPLE OF CURTAIN WALL

M = 1150 mm

H = 3200 mm

w = 1200 Pa

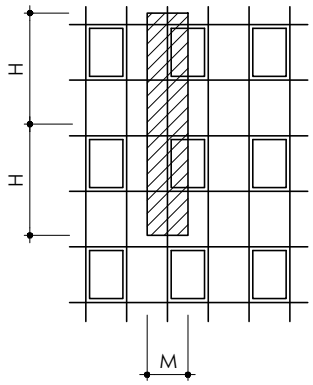
Jx = 180 x $10^4 mm^4$



Per l'Italia determinare le azioni del vento secondo le "NORME TECNICHE PER LE COSTRUZIONI".

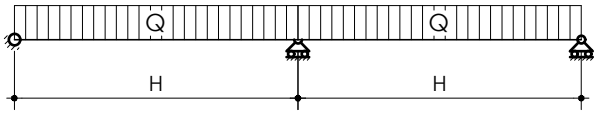
DIAGRAMMA STATICO - PRESSIONE DEL VENTO
STATIC DIAGRAM - WIND PRESSURE

SISTEMA
SYSTEM



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

SCHEMA STATICO
STATIC SCHEME



MOMENTO D'INERZIA
MOMENT OF INERTIA

[x 10^4 mm^4]

FORMULA DI CALCOLO
CALCULATION FORMULA

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

Jx = MOMENTO D'INERZIA *MOMENT OF INERTIA* [mm^4]

Q = CARICO TOTALE *LOAD* [N]

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

$$Q = w * M * H = [N]$$

E = MODULO DI ELASTICITA' *ELASTIC MODULUS* [N/mm^2]

f_{Cd} = FRECCIA *DEFLECTION* [mm]

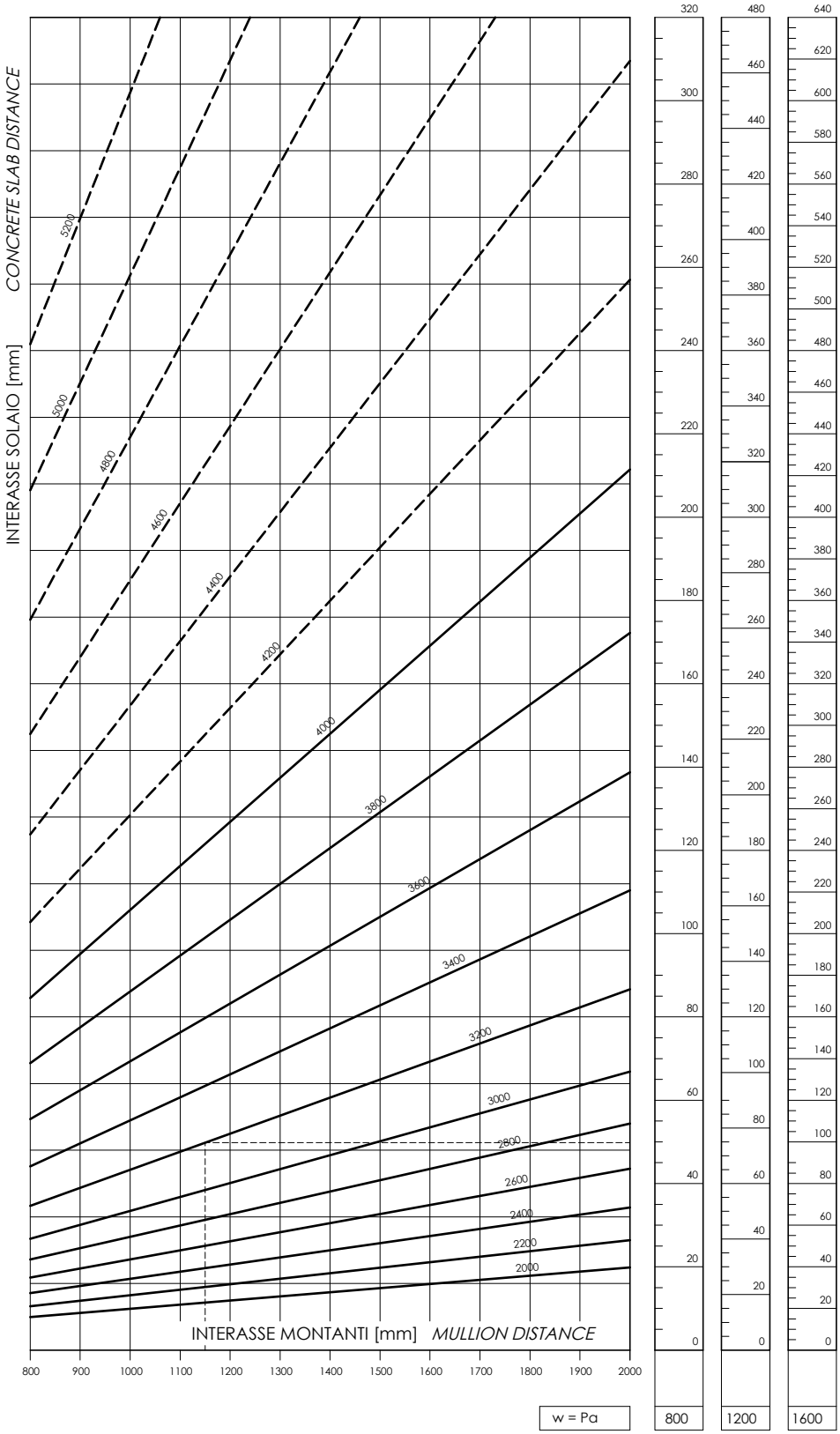
ESEMPIO DI FACCIATA
EXAMPLE OF CURTAIN WALL

M = 1150 mm

H = 3200 mm

w = 1200 Pa

Jx = 75 x $10^4$$mm^4$

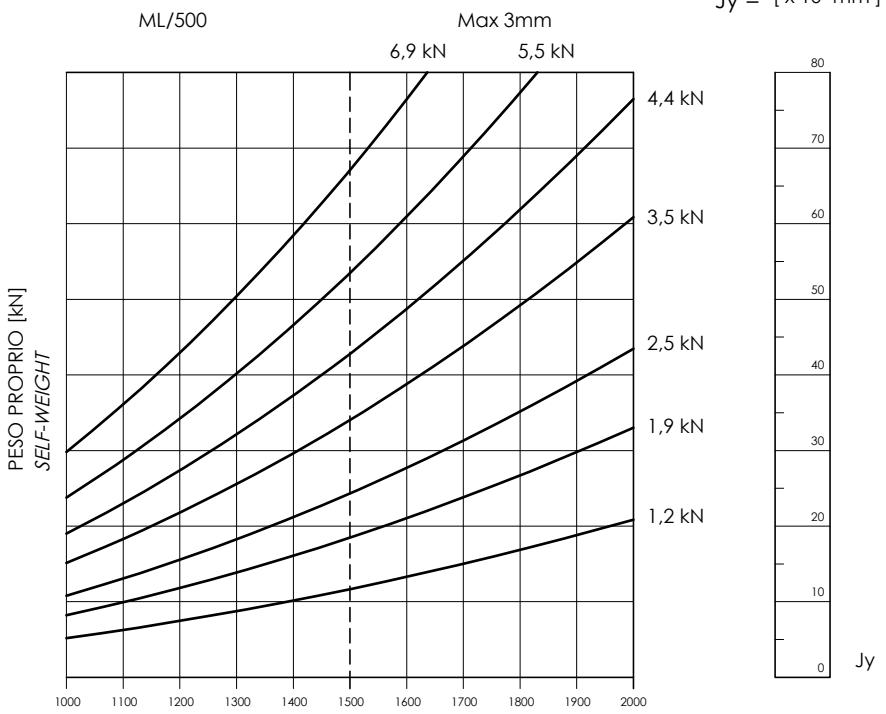


Per l'Italia determinare le azioni del vento secondo le "NORME TECNICHE PER LE COSTRUZIONI".

RESISTENZA A PESO PROPRIO EN 13830

RESISTANCE TO SELF-WEIGHT EN 13830

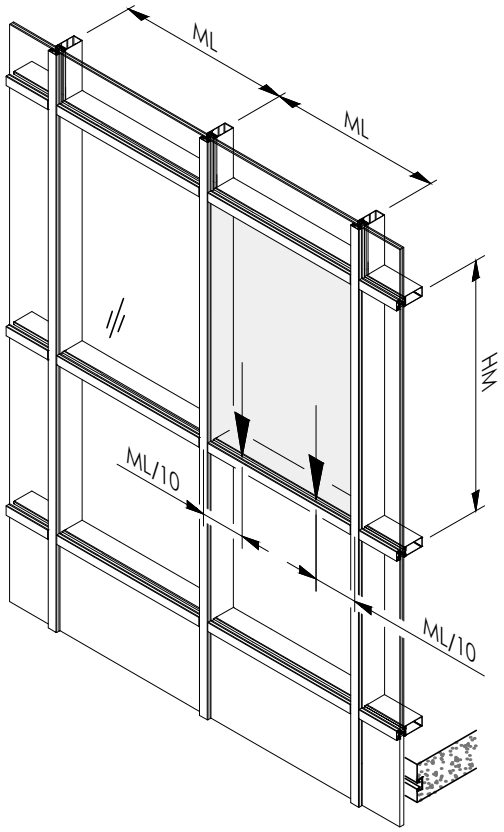
DEFLESSIONE MASSIMA - *MAXIMUM DEFLECTION*



PESO DEL VETRO - *GLASS WEIGHT*

$$P = 0{,}025 * s * ML * HM = [kN]$$

s =	Spessore equivalente del vetro *Glass thickness*	[mm]
ML =	Interasse montanti *Mullion distance*	[m]
HM =	Interasse traverso *Transom distance*	[m]



Esempio
Example

8/12/6 = 14 mm

ML = 1150 mm

HM = 1600 mm

P = 0,025 x 14 x 1,15 x 1,60 = 0,644 [kN]

DIMENSIONAMENTO TRAVERSO - *TRANSOM DIMENSIONING*

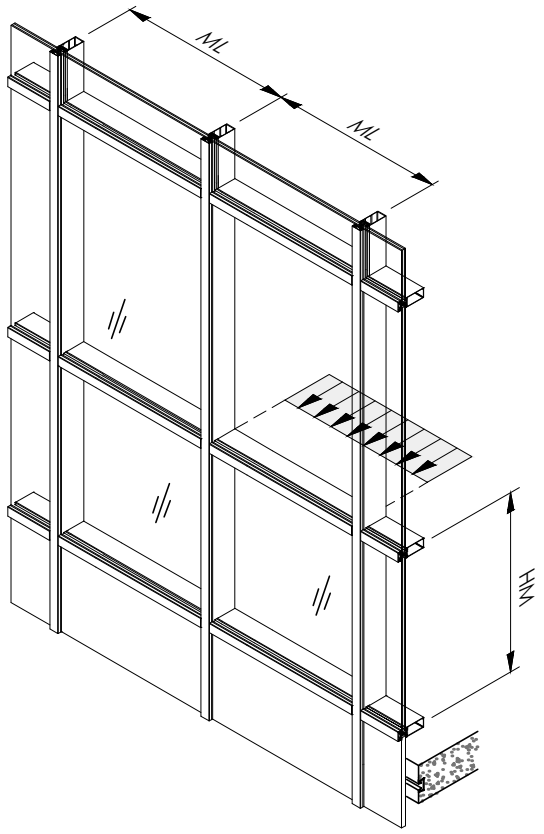
ML = 11500 [mm] $\Rightarrow Jy_{min,\,tr}$ = 5 x 10 mm (da tabella)

RESISTENZA A SOVRACCARICO ORIZZONTALE EN 13830

RESISTANCE TO LIVE HORIZONTAL LOADS EN 13830

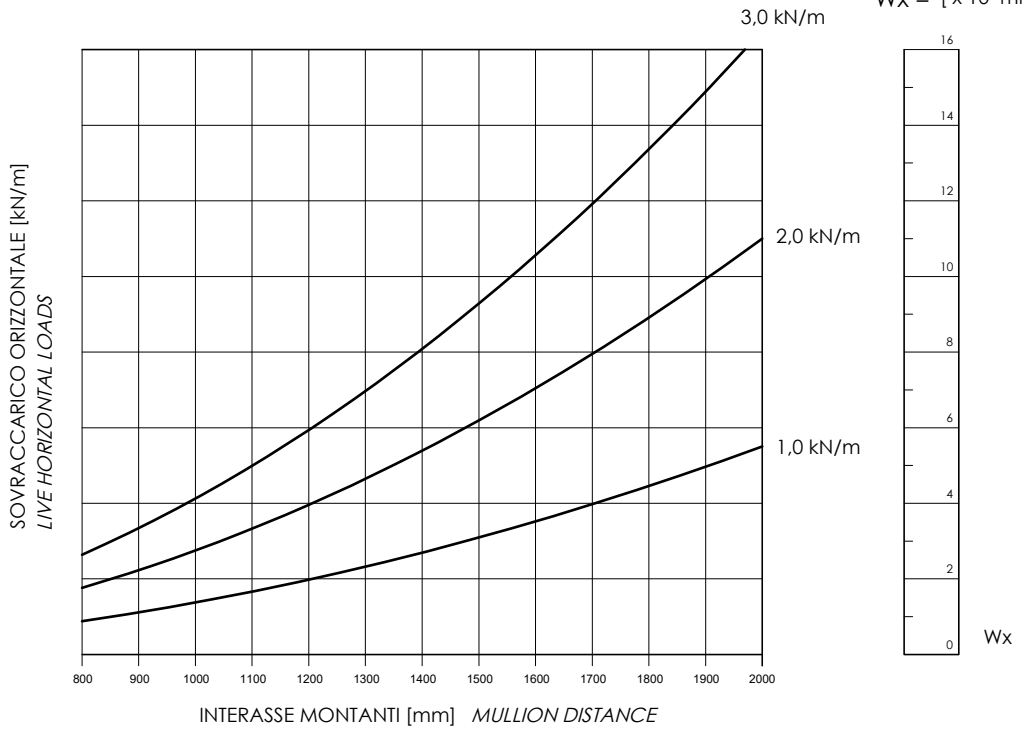
Verifica alla resistenza a sovraccarico orizzontale secondo UNI EN 1991-1-1 come richiesto dalla norma UNI EN 13830 punto 4.17; i valori limite dipendono dai regolamenti nazionali.

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



HM = 1.20 m

MODULO ELASTICO DI RESISTENZA
ELASTIC MODULUS OF THE GROSS SECTION

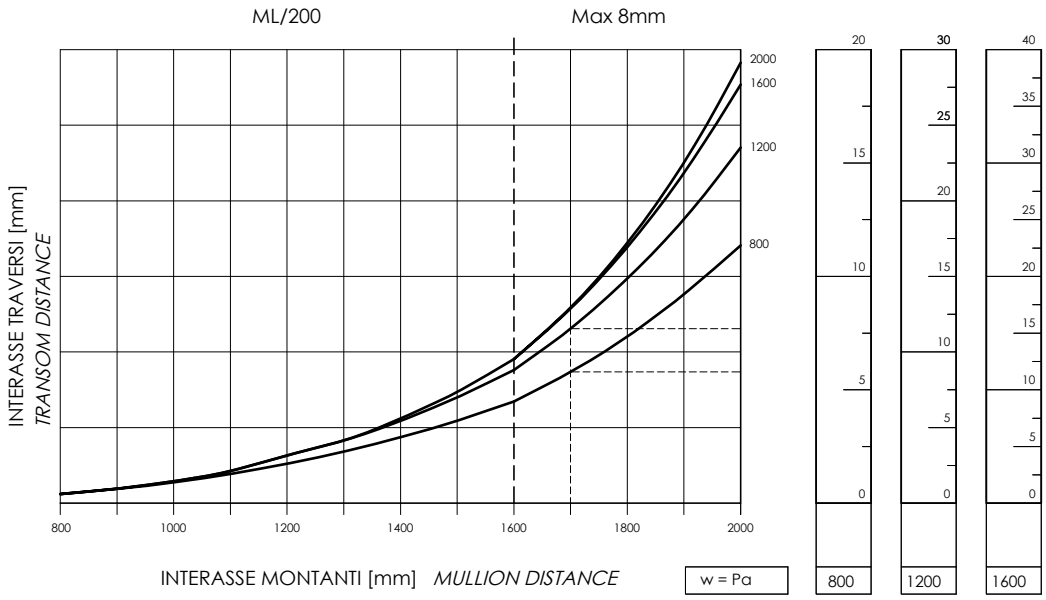


Per l'Italia determinare il sovraccarico orizzontale secondo la tabella 3.1.II delle "NORME TECNICHE PER LE COSTRUZIONI".

RESISTENZA AL CARICO DI VENTO EN 13116
RESISTANCE TO WIND LOAD EN 13116

DEFLESSIONE MASSIMA - *MAXIMUM DEFLECTION*

Jx = [x 10^4 mm^4]

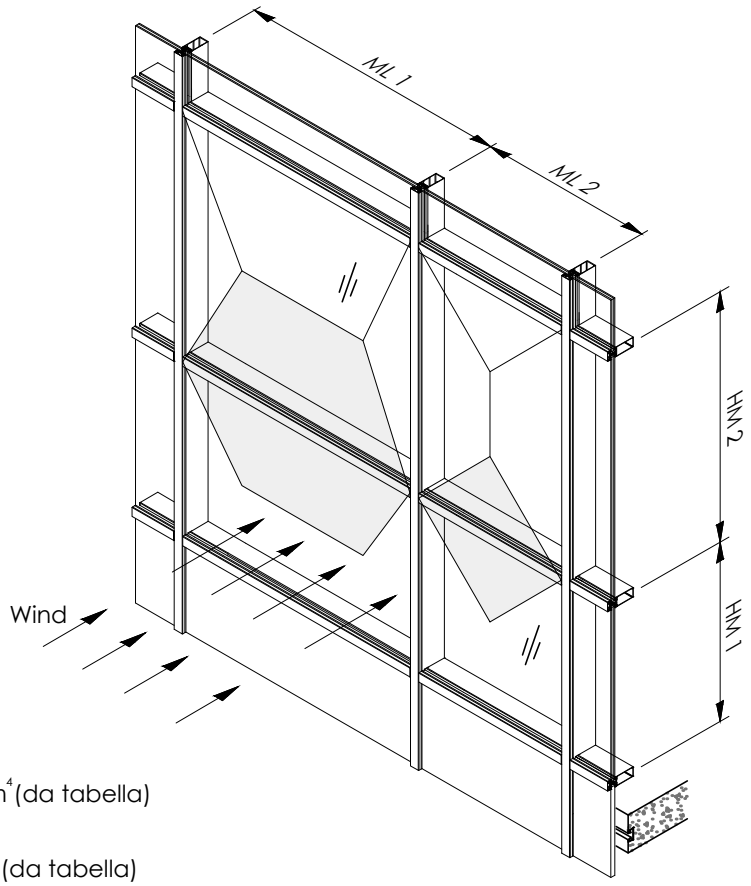


Interassi traversi di misure intermedie potranno essere ricavati per interpolazione.
Intermediate transom distances may be calculated by interpolation.

DIMENSIONAMENTO TRAVERSO
TRANSOM DIMENSIONING

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

w =	Pressione cinetica del vento *Wind - pressure load*	[Pa]
ML =	Interasse montanti *Mullion distance*	[m]
HM =	Interasse traverso *Transome distance*	[m]



Esempio
Example

w = 1200 [Pa]

ML 1 = 1700 [mm]

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

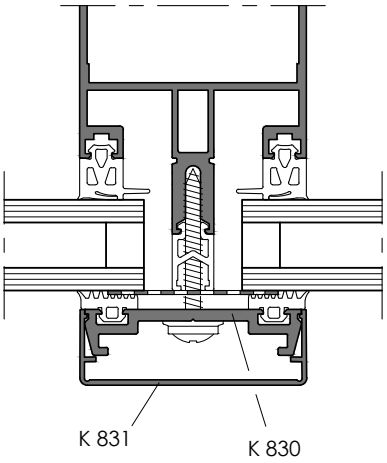
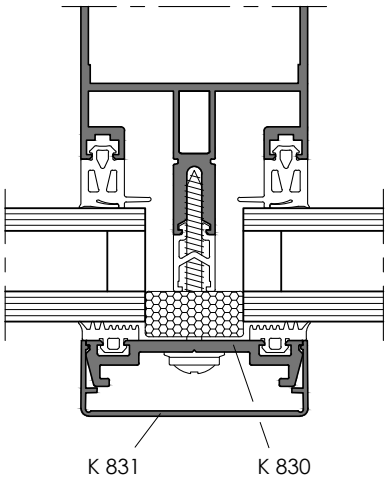
HM 2 = 800 [mm] $\Rightarrow$ $Jx_2 = 8.5 \times 10^4 mm^4$ (da tabella)

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

PRESTAZIONI DI TENUTA - *TIGHTNESS PERFORMANCE*		
Permeabilità all'aria *Air permeability*	UNI EN 12153 UNI EN 12152	A4
Permeabilità all'aria elementi apribili *Air permeability of openable parts*	UNI EN 1026 UNI EN 12207	4
Tenuta all'acqua *Watertightness*	UNI EN 12155 UNI EN 12154	RE_{1350}
Resistenza al carico di vento di progetto *Resistance to design wind load*	UNI EN 12179 UNI EN 13116	2000 Pa
Resistenza al carico di vento di sicurezza *Resistance to safety wind load*	UNI EN 12179 UNI EN 13116	3000 Pa
CERTIFICATO DI PROVA ITC-CNR no. 0970 - CPD - RP0117		

TRASMITTANZA TERMICA U_f - *U_f THERMAL TRASMITTANCE*

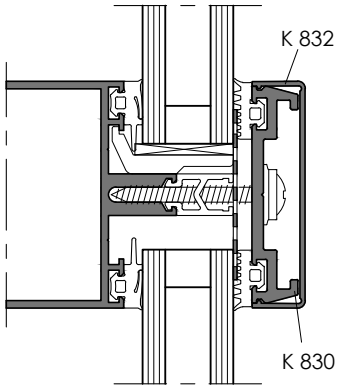
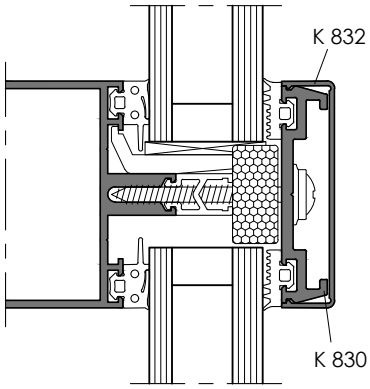
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - *VALUE ACCORDING TO UNI EN ISO 10077-2* (*)

	VETRO [mm]	W/m²K				
		K 805	K 808	K 863		
	24 ÷ 27	3.13	3.33	3.26		
	28 ÷ 33	2.61	2.79	2.70		
	≥ 34	2.30	3.42	2.38		
	30 ÷ 35	-	1.39	1.38		
	≥ 36	-	1.29	1.28		

* 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*

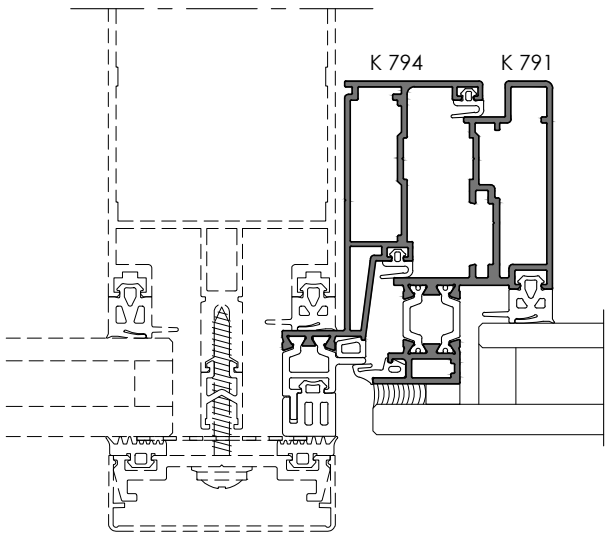
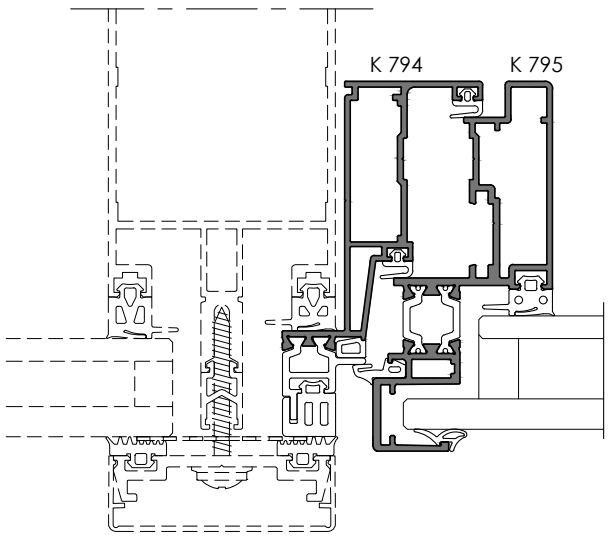
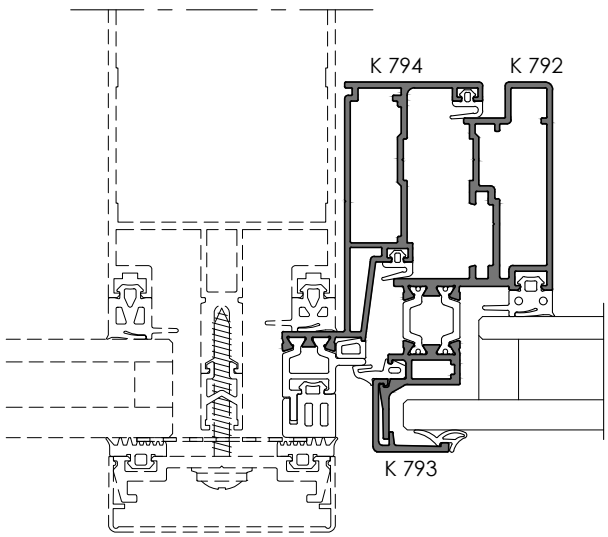
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - *VALUE ACCORDING TO UNI EN ISO 10077-2* (*)

	VETRO [mm]	W/m²K				
		K 821	K 829	K 864	K 870	
	24 ÷ 27	2.73	2.84	2.90	2.98	
	28 ÷ 33	2.34	2.42	2.44	2.52	
	≥ 34	2.14	2.19	2.21	2.26	
	30 ÷ 35	1.26	1.29	1.30	1.32	
	≥ 36	1.18	1.21	1.22	1.23	

* 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 0.08 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 0.08 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.

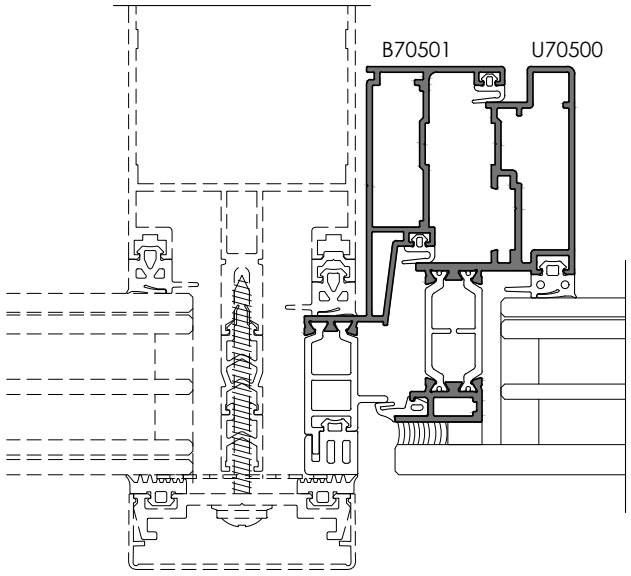
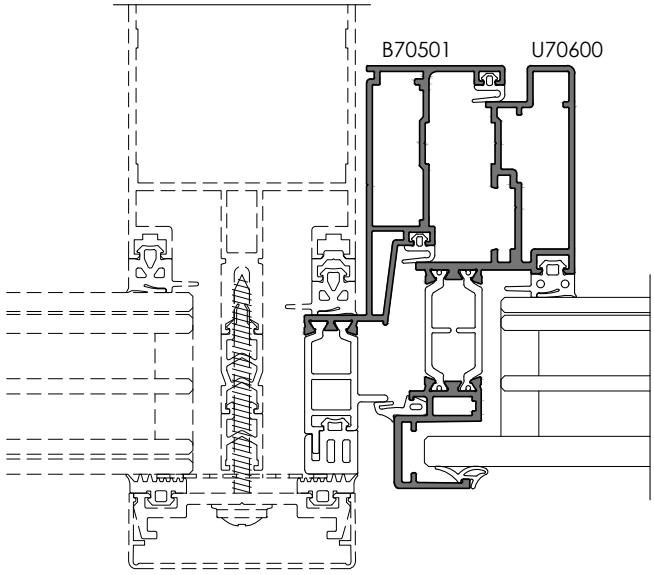
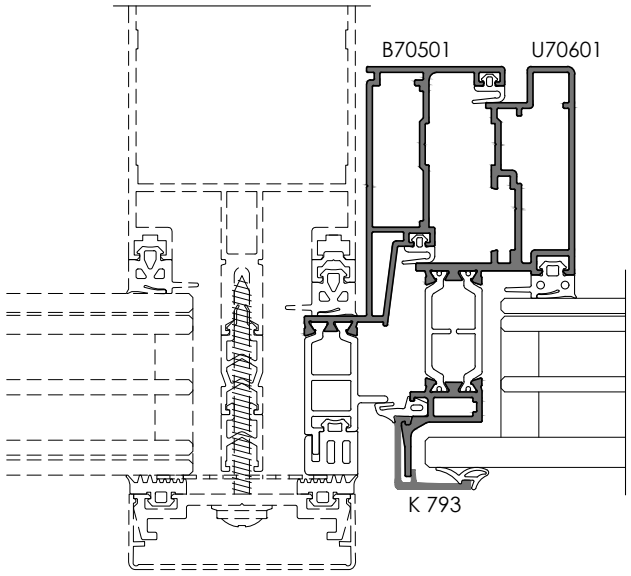
TRASMITTANZA TERMICA U_f - *U_f THERMAL TRASMITTANCE*

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

	W/m²K
	3.34
	3.98
	3.94

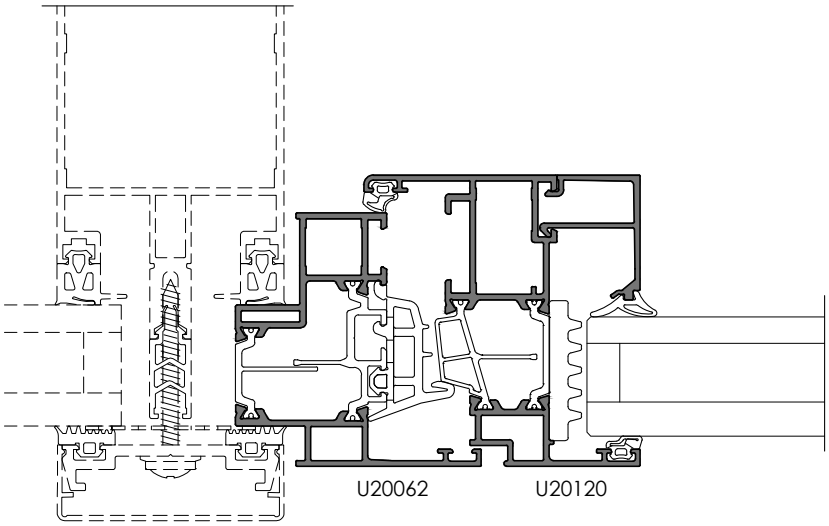
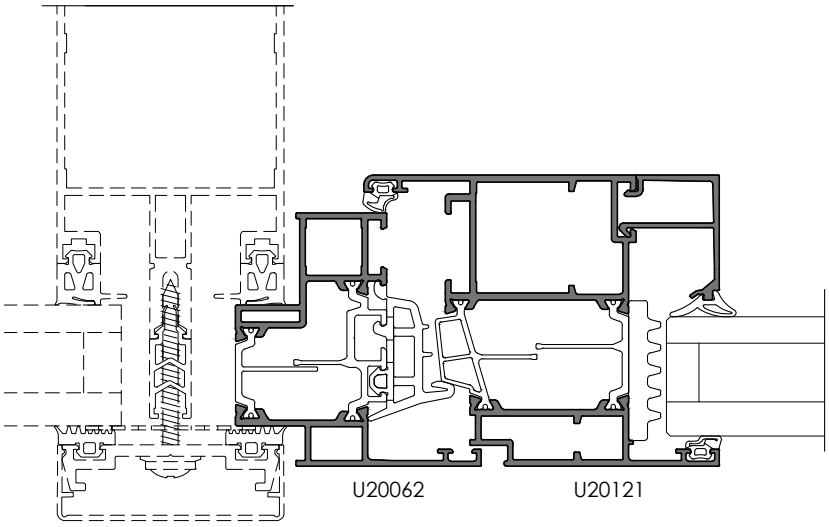
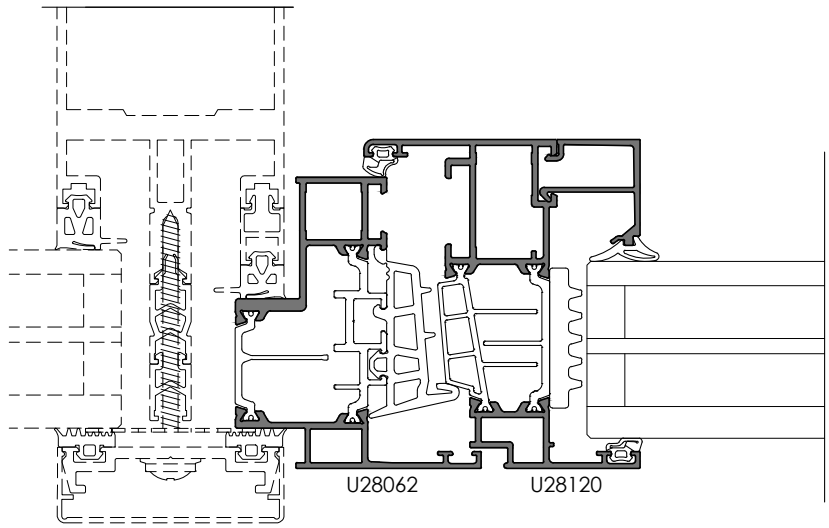
TRASMITTANZA TERMICA U_f - *U_f THERMAL TRASMITTANCE*

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

	W/m²K
	2.38
	2.63
	2.57

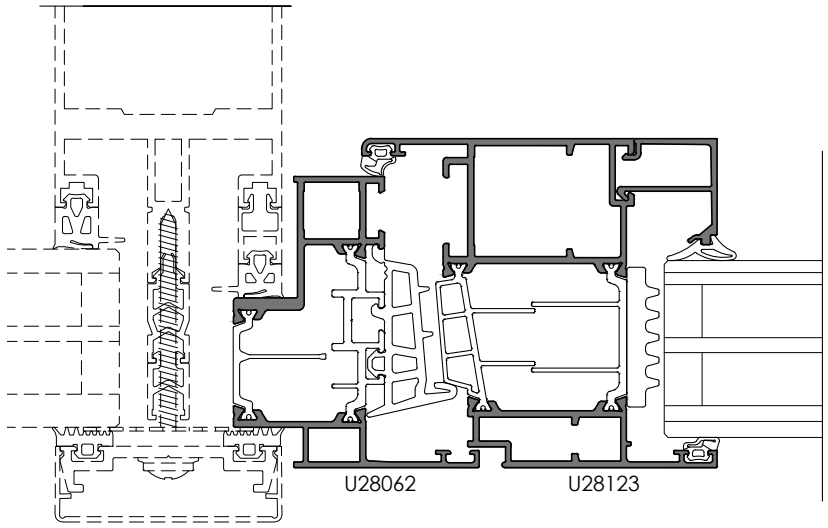
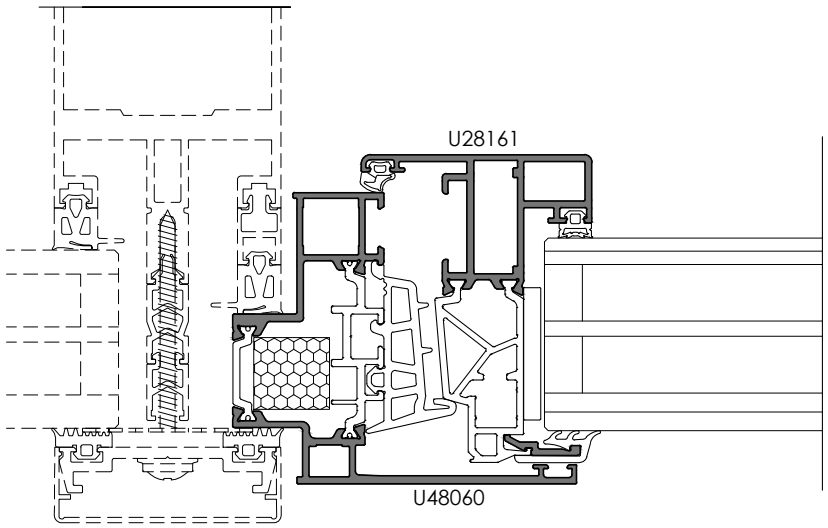
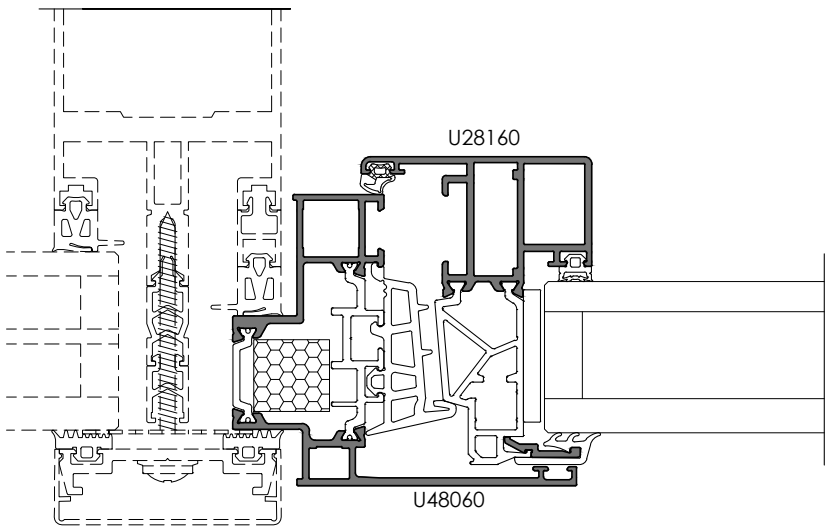
TRASMITTANZA TERMICA U_f - *U_f THERMAL TRASMITTANCE*

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

	W/m²K
	1.74
	1.68
	1.55

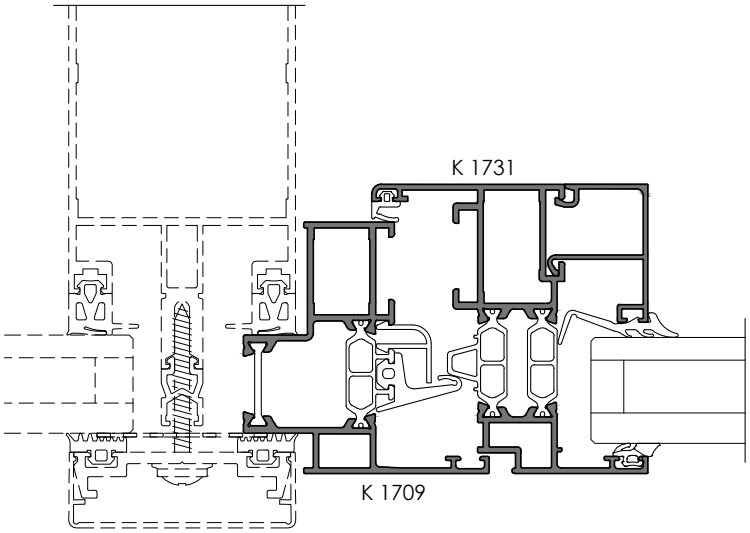
TRASMITTANZA TERMICA U_f - *U_f THERMAL TRASMITTANCE*

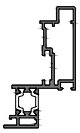
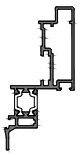
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - *VALUE ACCORDING TO UNI EN ISO 10077-2*

	W/m²K
	1.51
	1.49
	1.50

TRASMITTANZA TERMICA U_f - *U_f THERMAL TRASMITTANCE*

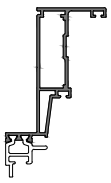
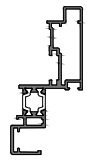
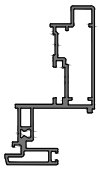
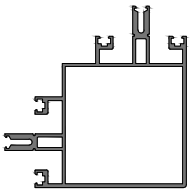
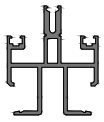
VALORI DETERMINATI SECONDO UNI EN ISO 10077-2 - *VALUE ACCORDING TO UNI EN ISO 10077-2*

	W/m²K
	2.38

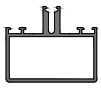
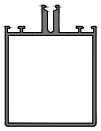
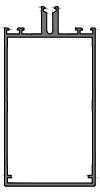
X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K621	0.15	15					5.14
	K781	0.15	6					5.09
	K782	0.16	6					5.09
	K783	0.18	6					5.09
	K784	0.19	6					5.09
	K785	0.20	6					5.09
	K791	1.38	87	19.75	4.48	7.50	2.65	5.10
	K792	1.45	87	23.03	4.82	8.86	3.49	5.12
	K793	0.19	42					5.12

● ARTICOLO IN ESAURIMENTO - *UNTIL STOCK IS FINISHED*

DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K794	1.16	41	30.22	6.59	7.08	2.15	5.10
	K795	1.59	129	31.29	6.16	10.29	4.34	5.13
	K796	1.39	86	30.09	6.32	9.60	3.62	5.13
	● K804	4.11	200	199.57	29.28	199.57	29.28	5.05
	K805	2.30	180	27.82	7.36	23.94	7.98	5.04
	● K806	0.13	24					5.05

DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K808	5.18	420	834.27	78.91	101.06	33.69	5.01
	K820 Ordine min. 450 m	1.41	132	11.77	4.37	18.41	6.14	5.03
	K821	1.74	192	44.26	10.93	28.51	9.50	5.02
	K828	0.19	30					5.09
	K829 Ordine min. 490 m	2.05	268	128.52	20.95	39.94	13.31	5.03
	K830 K830F*	0.68	-					5.06
	K831	0.38	100					5.06

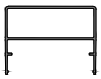
(*) FORATO A PASSO - *PITCHED HOLES*

● ARTICOLO IN ESAURIMENTO - *UNTIL STOCK IS FINISHED*

X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K832	0.32	88					5.06
	K833	0.63	-					5.07
	K834	0.32	80					5.07
	K836	0.65	-					5.06
	● K837	0.82	-					5.08
	● K838	0.46	115					5.08

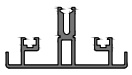
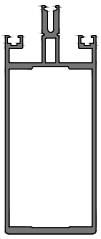
● ARTICOLO IN ESAURIMENTO - *UNTIL STOCK IS FINISHED*

DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

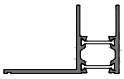
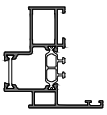
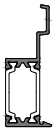
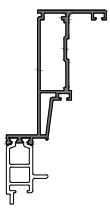
X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K839	0.61	76					5.04
	K840	0.49	66					5.04
	● K841	1.07	-					5.08
	● K842	0.59	142					5.08
	● K843	0.45	50					5.15
	K844	1.07	-					5.06
	K849 Ordine min. 650 m	0.79	150					5.06
	K851	0.27	80					5.07
	K852	0.26	73					5.07
	K855 K855F*	0.48	-					5.07

(*) FORATO A PASSO - *PITCHED HOLES*

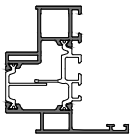
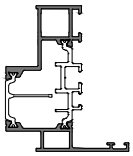
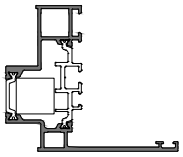
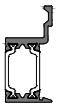
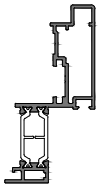
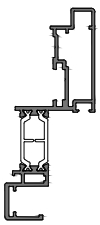
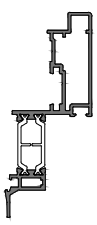
DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

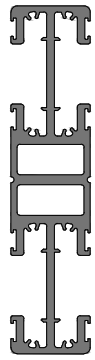
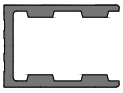
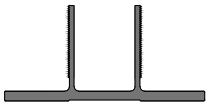
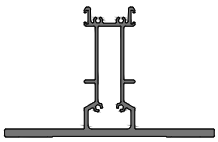
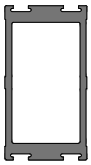
X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K861	1.53	101	6.71	2.48	21.74	5.43	5.04
	K862	1.21	95	2.25	1.18	15.56	3.89	5.04
	K863	3.83	320	339.67	44.54	68.50	22.83	5.01
	K864	2.45	330	235.39	30.16	49.39	16.46	5.02
	K870 Ordine min. 270 m	3.98	426	651.47	65.72	85.25	28.42	5.03

DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx x10⁴mm⁴	Wx x10³mm³	Jy x10⁴mm⁴	Wy x10³mm³	PAGINA *PAGE*
	K879	1.25	134					5.14
	K894	0.12	12					5.09
	K940	0.28	-					5.14
	K963	0.33	61					5.14
	K1450	0.17	15					5.14
	K1709	1.36	109	20.86	4.83	9.01	2.43	5.13
	K1764	0.66	-					5.13
	K2064	0.73	-					5.14
 ⚠	B70501	1.20	41	20.83	4.36	4.23	1.47	5.11

⚠ VERNICIARE O ANODIZZARE IL PROFILO PRIMA DELL'INSERIMENTO DELLA BARRETTA - *PAINT OR ANODIZE THE PROFILE BEFORE INSERTING THE INSULATING BAR*

X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	U20062	1.50	109	19.22	5.21	10.64	2.62	5.16
	U28062	1.47	109	27.16	6.38	10.48	2.59	5.15
	U48060	1.70	138	32.63	6.92	26.80	4.46	5.15
	U51261	0.64	-					5.17
	U52261	0.71	-					5.17
	U70500	1.46	87	30.84	6.25	8.29	3.05	5.11
	U70600	1.66	129	47.23	8.33	11.47	4.71	5.13
	U70601	1.52	87	35.86	9.53	6.52	3.91	5.12

X Y X Y	PROFILO *PROFILE*	PESO kg/m *WEIGHT*	SUP. OX mm *OX SUR.*	Jx $x10^4mm^4$	Wx $x10^3mm^3$	Jy $x10^4mm^4$	Wy $x10^3mm^3$	PAGINA *PAGE*
	K1810 ex A00196	10.69	-					5.51
	K1813 ex A00195	3.26	-					5.52
	K1818 ex A00364	8.60	-					5.53
	K1819 ex A00365	0.66	-					5.53
	K1820 ex A00363	8.28	-					5.53
	K1822 ex A01515	4.67	-	239.02	46.87	63.20	23.32	5.51

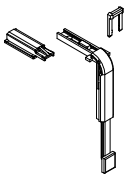
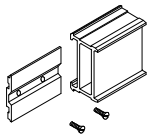
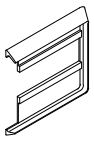
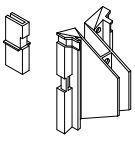
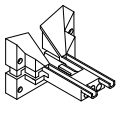
CODICE *CODE*	LUNGHEZZA BARRA GESTITA - *BAR LENGHT*			
	2000 mm	4500 mm	6000 mm	6800 mm
K 808		○	○	○
K 821			○	○
K 863		○		○
K 864			○	○
K 870			○	○
K 1810			○	
K 1813			○	
K 1818	○			
K 1819	○			
K 1820	○			
K 1822			○	

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

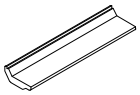
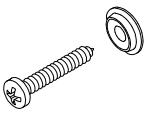
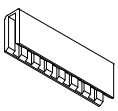
7___**X**	FINITURA	FINISHING
7___**1**	ARGENTO	SILVER
7___**2**	BRONZO	BRONZE
7___**3**	OTTONE	BRASS
7___**4**	ELETTROCOLORE	DARK BRONZE
7___**5**	NERO	BLACK
7___**6**	TITANIO	TITAN
7___**7**	GREZZO V. RAL	RAW V. RAL
7___**8**	RAL 9010	RAL 9010
7___**9**	BW 21	BW 21

A RICHIESTA - ON REQUEST

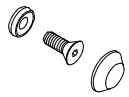
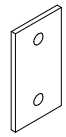
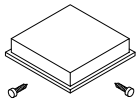
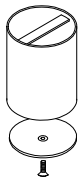
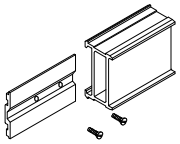
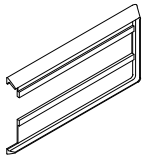
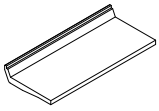
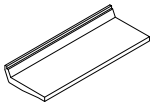
U. V. PEZZI PER CONFEZIONE
U. S. PIECE FOR PACKING

	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	702222	GR	RINVIO D'ANGOLO PER SPORGERE *CORNER TRASMISSION*	1
	703004	GR	MENSOLA A CASSETTO PER TRAVERSO K821 *SLIDER SUPPORT FOR K821 TRANSOM*	50
	703008	NERO *BLACK*	FLANGIA PER TRAVERSO K 821 DA UTILIZZARE CON MENSOLE 703004 *FLANGE FOR K 821 TRANSOM TO USE WITH 703004 SUPPORT*	50
	703014	NERO *BLACK*	COPRIGIUNTO INTERNO MONTANTI PER GIUNTI DI DILATAZIONE *INSIDE MULLION GUSSET FOR DILATATION JOINT*	20
	703015	NERO *BLACK*	DRENAGGIO MONTANTI DA UTILIZZARE CON VETRI 22 - 26 mm *MULLIONS DRAINAGE TO USE WITH 22 - 26 mm GLASS*	20
	703017	NERO *BLACK*	PROLUNGA PER TAPPI DI DRENAGGIO MONTANTI ART. 703015 - 703016 *MULLIONS DRAINAGE EXTENSION FOR ART. 703015 - 703016*	20

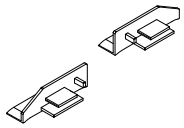
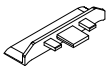
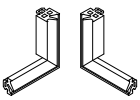
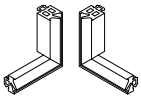
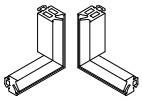
● ARTICOLO IN ESAURIMENTO - *UNTIL STOCK IS FINISHED*

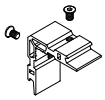
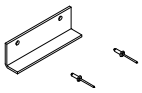
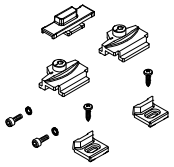
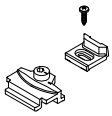
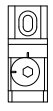
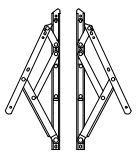
	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	703018	NERO *BLACK*	COPRIGIUNTO INTERNO MONTANTI PER UNIONI FISSE ANGOLATE *INSIDE MULLION GUSSET FOR ANGLE FIXED JOINT*	20
	703019	INOX	VITI E RONDELLE PER FISSAGGIO TRAVERSI *SCREWS AND WASHERS FOR TRANSOMS FIXING*	100
	703020	INOX	VITE E RONDELLE PER FISSAGGIO TRAVERSI DA UTILIZZARE SOLO CON MONTANTE FRESATO *SCREWS AND WASHERS FOR TRANSOMS FIXING TO USE ONLY WITH MILLED MULLION*	100
	703022	GR	SUPPORTO VETRO PER TRAVERSI (VEDI TAVOLA DI APPLICAZIONE 8.25) *GLASS SUPPORT FOR TRANSOM* *(SEE APPLICATION TABLE 8.25)*	100
		L VITE	VITI INOX PER FISSAGGIO PRESSORI CON RONDELLE SPECIALI *PRESSURE-PLATE FIXING SCREWS WITH SPECIAL WASHERS*	100
	● 703025	38 mm		
	● 703026	41 mm		
	703027	44 mm		
	703028	47 mm		
	703029	50 mm		
	703030	54 mm		
	703031	57 mm		
	703032	60 mm		
	703048	25 mm		
	● 703049	19 mm		
	● 703056	77 mm		
	● 703033	NERO *BLACK*	DISTANZIATORE PER FISSAGGIO PROFILO K805 *FIXING SPACER FOR K805 SECTION*	20

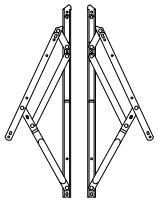
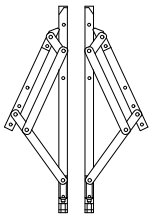
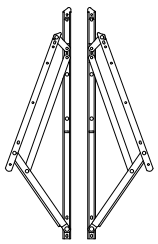
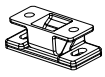
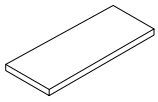
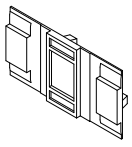
● ARTICOLO IN ESAURIMENTO - *UNTIL STOCK IS FINISHED*

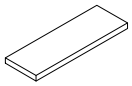
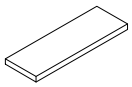
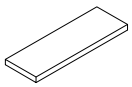
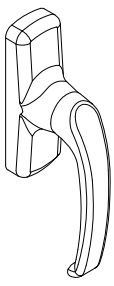
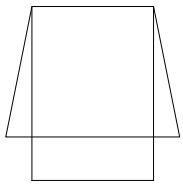
	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	703035	NERO *BLACK*	VITE RONDELLA E TAPPO PER UNIONE MONTANTI *SCREW WASHER AND PLUG FOR MULLIONS CONNECTION*	20
	703036	NERO *BLACK*	PIASTRINE ISOLANTI PER ATTACCHI *INSULATING SPACER FOR JUNCTION ATTACHMENT*	100
	● 703039	GR	TAPPO PER MONTANTE K804 *PLUG FOR K804 MULLION*	1
	● 703041	GR	GIUNTO CILINDRICO MONTANTI PIRAMIDE L=300 *CILINDRIC JOINT FOR PYRAMID MULLIONS L=300*	1
	703047		RONDELLA SPECIALE PER VITI PRESSORI *SPECIAL WASHER FOR PRESSURE PLATE SCREW*	200
	703050	GR	MENSOLA A CASSETTO PER TRAVERSO K864 *BRACKET FOR K864 TRANSOM INSERTION*	50
	703051	NERO *BLACK*	FLANGIA PER TRAVERSO K864 *FLANGE FOR K864 TRANSOM*	50
	703053	GR	SUPPORTO VETRO PER TRAVERSI (VEDI TAVOLA DI APPLICAZIONE 8.25) *GLASS SUPPORT FOR TRANSOM* *(SEE APPLICATION TABLE 8.25)*	100
	703057	GR	SUPPORTO VETRO PER TRAVERSI (VEDI TAVOLA DI APPLICAZIONE 8.25) *GLASS SUPPORT FOR TRANSOM* *(SEE APPLICATION TABLE 8.25)*	100

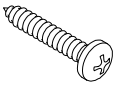
● ARTICOLO IN ESAURIMENTO - *UNTIL STOCK IS FINISHED*

	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	703070	NERO *BLACK*	COPPIA TAPPI PER PRESSORE K833 *COUPLE OF PLUG FOR PRESSURE PLATE K833*	25
	703071	NERO *BLACK*	TAPPI PER PRESSORE K840 *PLUG FOR PRESSURE PLATE K840*	50
	704035	-	VITE AUTOFILETTANTE PER FISSAGGIO TRAVERSI IN CAVA GUARNIZIONE *TAPPING SCREW FOR TRANSOM*	100
	704060	EPDM	COPPIE ANGOLI VULCANIZZATI PER GUARNIZIONI 809200 E 809201 *COUPLE OF VULCANIZED JOINT FOR 809200 AND 809201 GASKET*	100
	704061	EPDM	COPPIE ANGOLI VULCANIZZATI PER GUARNIZIONI 809202 E 809203 *COUPLE OF VULCANIZED JOINT FOR 809202 AND 809203 GASKET*	100
	704062	EPDM	COPPIE ANGOLI VULCANIZZATI PER GUARNIZIONI 809204 E 809205 *COUPLE OF VULCANIZED JOINT FOR 809204 AND 809205 GASKET*	100
	704065	EPDM	GUARNIZIONE TENUTA TRAVERSO *TRANSOM TIGHTNESS GASKET* 	100
	704100	GR	SQUADRETTE A SPINARE E CIANFRINARE PER INFISSO A SPORGERE *RIVETING OR CALKING CORNER JOINT FOR TOP-HUNG WINDOW*	40
	704101	GR	SPINE PER SQUADRETTE 704100 *PINS FOR 704100 CORNER JOINT*	100
	● 704102	GR	SQUADRETTE ESTERNE STIPITE SPORGERE *EXTERNAL CORNER JOINT FOR TOP-HUNG FRAME*	20

	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	704103	GR	SQUADRETTE ESTERNE BATTENTE SPORGERE *EXTERNAL CORNER JOINT FOR TOP-HUNG WING*	20
	704104	GR	SQUADRETTE A VITE PER INFISSO A SPORGERE *SCREW CORNER JOINT FOR TOP-HUNG WINDOW*	40
	704105	INOX	MENSOLA SUPPORTO VETRO BATTENTE K791 *GLASS SUPPORT FOR K 791 WING*	20
	704150	ZN	KIT BASE CHIUSURE PER INFISSO A SPORGERE *LOCKING BASE KIT FOR TOP-HUNG WINDOWS*	1
	704152	ZN	CHIUSURE SUPPLEMENTARI *ADDITIONAL LOCKING*	10
	704159	-	KIT DI FISSAGGIO COMPASSI PER APERTURA A SPORGERE *SELF BALANCING ARMS FIXING KIT*	10
	704160	ZN	COPPIA REGOLATORI PER COMPASSI 704165 (Consigliata anche per 704161) *ADJUSTMENT DEVICE (COUPLE) FOR 704165* *(Recommended also for 704161)*	1
	704161	INOX	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 100 Kg Altezza Battente 600 - 1100 mm Apertura 30° SIDE ARM FOR PROJECTING WINDOW Max Sash Weight 100 Kg Sash Height 600 - 1100 mm Opening 30°	1

	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	704162	INOX	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 75 Kg Altezza Battente 1090 - 1500 mm Apertura 45° SIDE ARM FOR PROJECTING WINDOW Max Sash Weight 75 Kg Sash Height 1090 - 1500 mm Opening 45°	1
	704164	INOX	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 90 Kg Altezza Battente 1300 - 1800 mm Apertura 23° SIDE ARM FOR PROJECTING WINDOW Max Sash Weight 90 Kg Sash Height 1300 - 1800 mm Opening 23°	1
	704165	INOX	COMPASSI PER APERTURE A SPORGERE Peso Max Battente 180 Kg Altezza Battente 1750 - 2500 mm Apertura 20° SIDE ARM FOR PROJECTING WINDOW Max Sash Weight 180 Kg Sash Height 1750 - 2500 mm Opening 20°	1
	704167	GR	ROSTRI PER FACCIATA *PULL-IN BLOCKS*	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*	
	709390	NERO *BLACK*	TAPPO TENUTA ESTERNA PRESSORI *EXTERNAL PRESSURE PLATES SEALING PLUGS*	50

	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	709998	-	MOLLETTA DI RITEGNO *RETAINING CLIP*	100
	710041	NERO *BLACK*	SQUADRETTA DI ALLINEAMENTO INTERNA BATTENTE *WING INTERNAL ALIGNMENT CORNER JOINT*	10
	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
	H47004-X	VEDI LE FINITURE SUL CATALOGO MANIGLIE *SEE THE FINISHING ON HANDLE CATALOG*	CREMONESE PER SPORGERE  *HANDLE BOLT*	1
	PER ALTRI MODELLI, VEDERE CATALOGO MANIGLIE *FOR OTHER MODELS, SEE HANDLE CATALOGUE*			

	CODICE *CODE*	FINITURA *FINISHING*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	620015C	INOX	VITE AUTOF. 3.9x9.5 TB - UNI EN ISO 7049 *SELF-TAPPING SCREW 3.9x9.5 TB UNI EN ISO 7049*	100
	620036C	INOX	VITE AUTOF. 4.8x19 TB - UNI EN ISO 7049 *SELF-TAPPING SCREW 4.8x19 TB UNI EN ISO 7049*	100
	620039C	INOX	VITE AUTOF. 4.8x32 TB - UNI EN ISO 7049 *SELF-TAPPING SCREW 4.8x32 TB UNI EN ISO 7049*	100
	620045C	INOX	VITE AUTOF. 5.5x16 TB - UNI EN ISO 7049 *SELF-TAPPING SCREW 5.5x16 TB UNI EN ISO 7049*	100

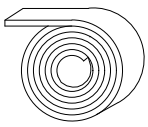
	CODICE *CODE*	MATERIALE *MATERIAL*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	800008	PVC	BARRETTA ANTIFRIZIONE H=4.5 PER GIUNTI DI DILATAZIONE (In barre da 6 m) *ANTIFRICTION BAR H=4.5* *FOR DILATATION JOINT*	pz 1
	800033	PVC	BARRETTA ANTIFRIZIONE H=5.6 PER GIUNTI DI DILATAZIONE (In barre da 5 m) *ANTIFRICTION BAR H=5.6* *FOR DILATATION JOINT*	pz 1
	800967	EPDM	GUARNIZIONE BATTUTA SPORGERE *LEDGE GASKET*	ml 200
	809003	EPDM	GUARNIZIONE D'AGGANCIO 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

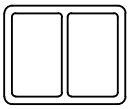
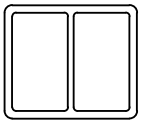
	CODICE *CODE*	MATERIALE *MATERIAL*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	809200	EPDM	GUARNIZIONE INTERNA h 9mm PER MONTANTE *INSIDE GLASS GASKET h 9mm FOR MULLIONS*	ml 100
	809201	EPDM	GUARNIZIONE INTERNA h 3mm PER TRAVERSO *INSIDE GLASS GASKET h 3mm FOR TRANSOM*	ml 100
	809202	EPDM	GUARNIZIONE INTERNA h 11mm PER MONTANTE *INSIDE GLASS GASKET h 11mm FOR MULLIONS*	ml 100
	809203	EPDM	GUARNIZIONE INTERNA h 5mm PER TRAVERSO *INSIDE GLASS GASKET h 5mm FOR TRANSOM*	ml 100
	809204	EPDM	GUARNIZIONE INTERNA h 13mm PER MONTANTE *INSIDE GLASS GASKET h 13mm FOR MULLIONS*	ml 100
	809205	EPDM	GUARNIZIONE INTERNA h 7mm PER TRAVERSO *INSIDE GLASS GASKET h 7mm FOR TRANSOM*	ml 100
	809206	EPDM	GUARNIZIONE PER PRESSORE *GASKET FOR PRESSURE PLATE*	ml 100
	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
	809403	EPDM	GUARNIZIONE ESTERNA VETRO TIPICA PER PRESSORI *TYPICAL OUTSIDE GLASS GASKET FOR PRESSURE PLATES*	ml 100

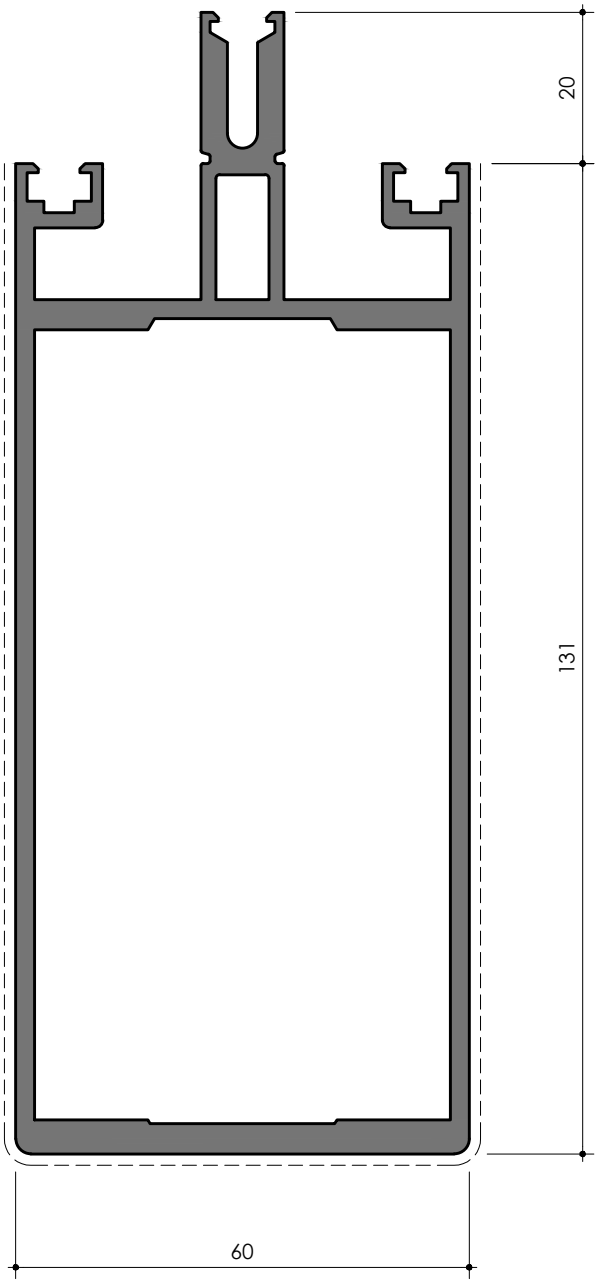
DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

	CODICE *CODE*	MATERIALE *MATERIAL*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	809404	EPDM	GUARNIZIONE ESTERNA VETRO SPECIALE PER SOLUZIONI ANGOLATE *SPECIAL OUTSIDE GLASS GASKET TO USE WITH ANGLE SOLUTIONS*	ml 100
	809407	EPDM	GUARNIZIONE PER CONNESSIONI INCLINATE MONTANTE-TRAVERSO *GASKET FOR INCLINED MULLION-TRANSOM CONNECTION*	ml 300
	809412	EPDM 65-UV/TGR	GUARNIZIONE ESTERNA VETRO PER PRESSORI DA UTILIZZARE CON SIGILLATURA *OUTSIDE GLASS GASKET FOR PRESSURE PLATE TO USE WITH SEALING*	ml 150
	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=11mm PER MONTANTI CON ANGOLO NEGATIVO < 12° *INSIDE GLASS GASKET h=11mm FOR MULLIONS WITH NEGATIVE ANGLE < 12°*	ml 150
	809420	PVC	DISTANZIATORE DA 15mm PER MONTANTI E TRAVERSI (IN BARRE DA 6 m) *SPACER FOR MULLIONS AND TRANSOMS 15 mm*	pz 1
	809504	PVC	DISTANZIATORE DA 27mm PER MONTANTI E TRAVERSI (IN BARRE DA 6 m) *SPACER FOR MULLIONS AND TRANSOMS 27 mm*	pz 1
	809508	PVC	DISTANZIATORE DA 21mm PER MONTANTI E TRAVERSI (IN BARRE DA 6 m) *SPACER FOR MULLIONS AND TRANSOMS 21 mm*	pz 1
	809530	PVC	DISTANZIATORE DA 11mm PER MONTANTI E TRAVERSI (IN BARRE DA 6 m) *SPACER FOR MULLIONS AND TRANSOMS 11 mm*	pz 1

DISPONIBILE SU RICHIESTA
AVAILABLE ON REQUEST

	CODICE *CODE*	MATERIALE *MATERIAL*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	809599	EPDM	GUARNIZIONE BATTUTA ESTERNA SPORGERE *EXTERNAL LEDGE GASKET FOR TOP HUNG WINDOW*	ml 100
	809603	PVC FLESSIBILE	GUARNIZIONE COPRICAVA PER SPORGERE *CAVITY COVER GASKET*	ml 150
	809606	PVC	GUARNIZIONE CAPPOTTO TERMICO (IN BARRE DA 6 m) *THERMIC COAT GASKET (lenght 6m)*	pz 1
	809617	EPDM	GUARNIZIONE ADESIVIZZATA 15x2 *ADHESIVE GASKET 15x2*	ml 150
	809619	POLIETILENE ESPANSO	LISTELLO ISOLANTE PER SOLUZIONE ITR (26x12 L=2000) *ITR INSULATING LISTEL*	pz 1
	809901	40 x 0.6	NASTRO BUTILICO CON FILM IN ALLUMINIO	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	*SEALANT BUTYLIC BAND WITH ALUMINIUM FILM*	

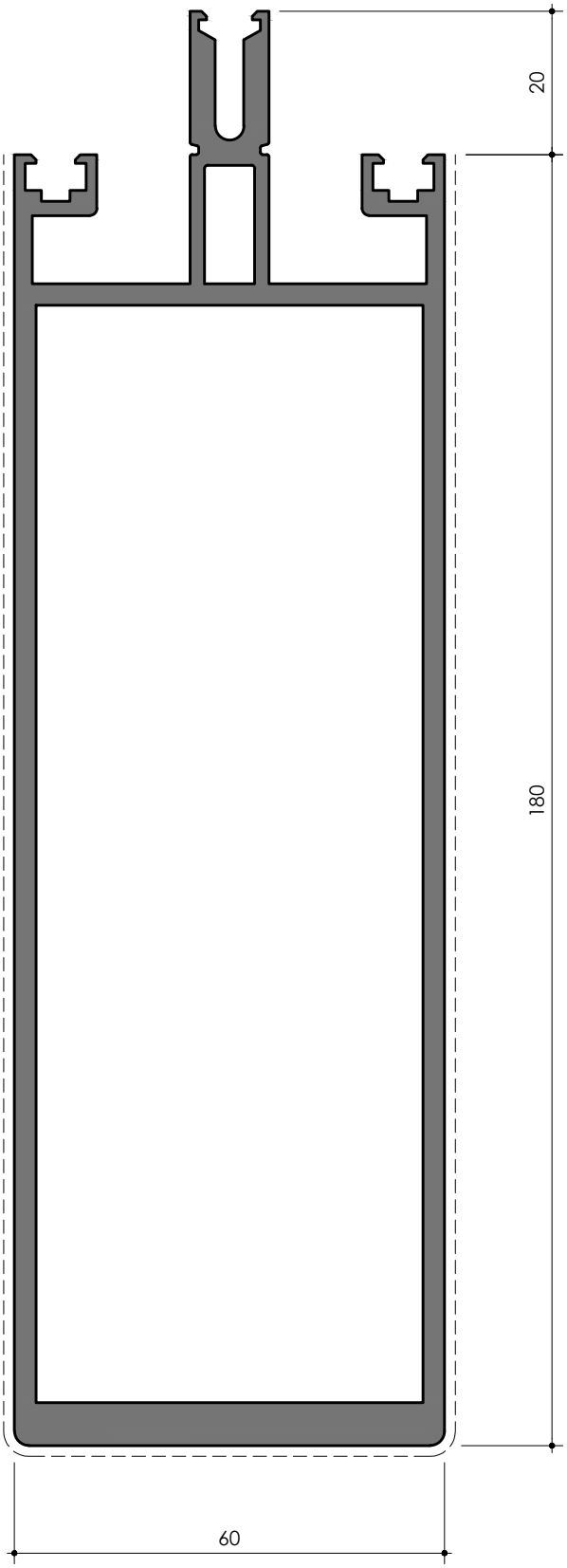
	CODICE *CODE*	MATERIALE *MATERIAL*	DESCRIZIONE *DESCRIPTION*	U.V. *U.S.*
	809910	EPDM	GUARNIZIONE INTERNA VETRO 3÷4.5mm CON PINNA *INTERIOR SIDE GLAZING GASKET 3÷4.5mm WITH FIN*	ml 100
	809911	EPDM	GUARNIZIONE INTERNA VETRO 5÷7mm CON PINNA *INTERIOR SIDE GLAZING GASKET 5÷7mm WITH FIN*	ml 200
	809990	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



K863

kg/m 3.83

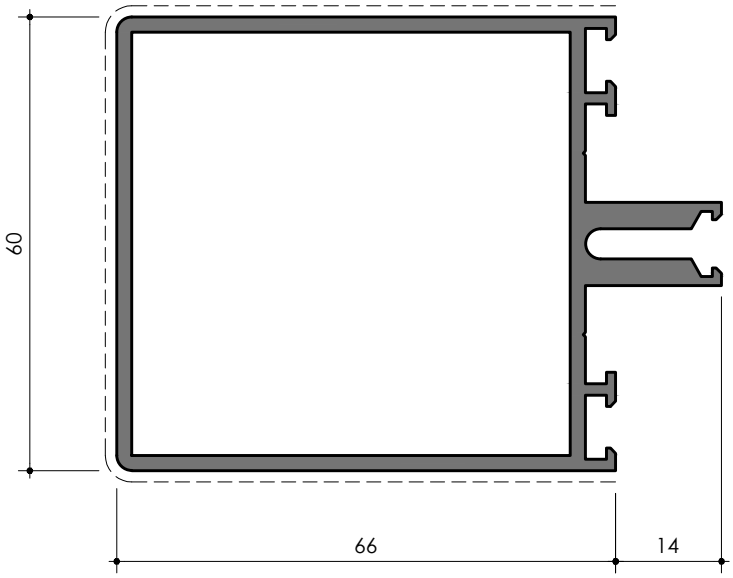
Ox Sup. 320 mm
Perim. t 603 mm



K808

kg/m 5.18

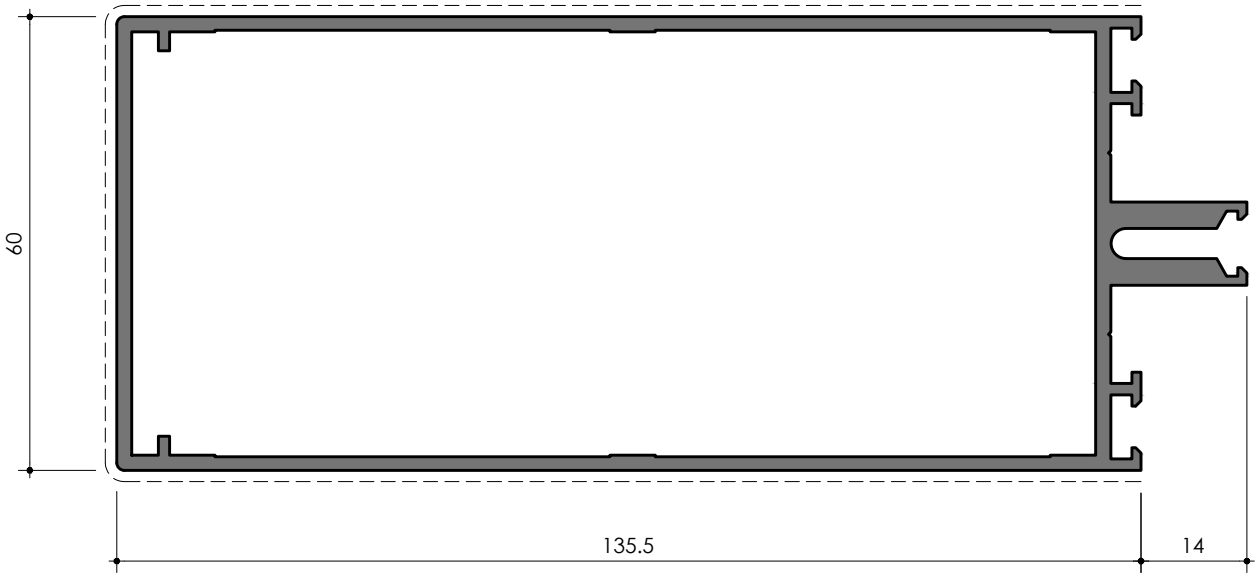
Ox Sup. 420 mm
Perim. t 701 mm



K821

kg/m 1.74

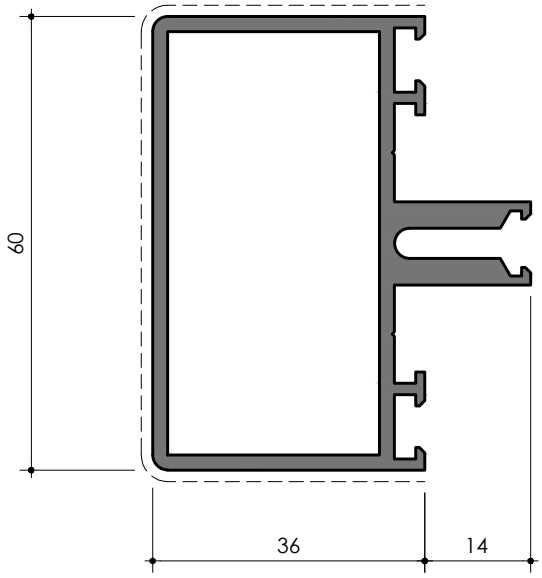
Ox Sup. 192 mm
Perim. t 363 mm



K864

kg/m 2.45

Ox Sup. 330 mm
Perim. t 503 mm



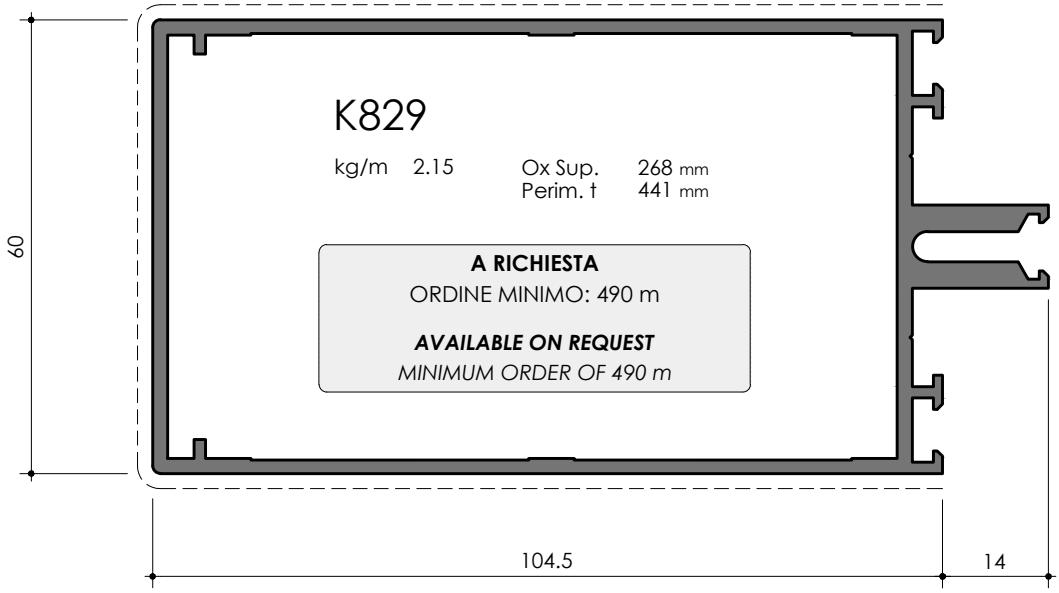
K820

kg/m 1.41

Ox Sup. 132 mm
Perim. t 303 mm

A RICHIESTA
ORDINE MINIMO: 450 m

AVAILABLE ON REQUEST
MINIMUM ORDER OF 450 m



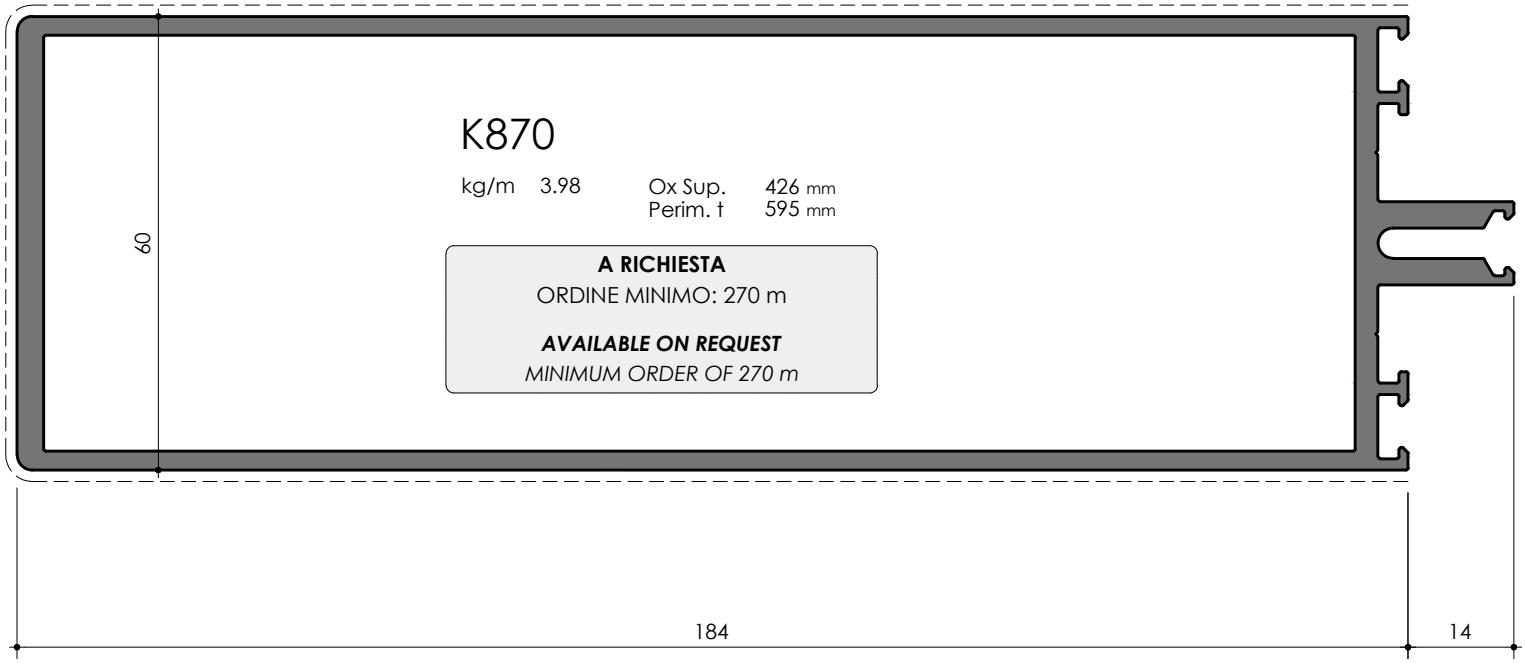
K829

kg/m 2.15

Ox Sup. 268 mm
Perim. t 441 mm

A RICHIESTA
ORDINE MINIMO: 490 m

AVAILABLE ON REQUEST
MINIMUM ORDER OF 490 m



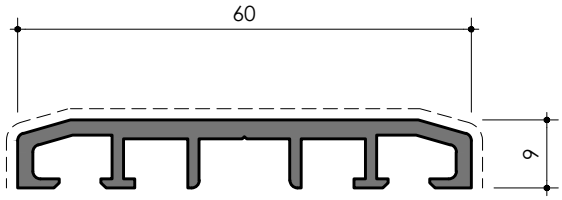
K870

kg/m 3.98

Ox Sup. 426 mm
Perim. t 595 mm

A RICHIESTA
ORDINE MINIMO: 270 m

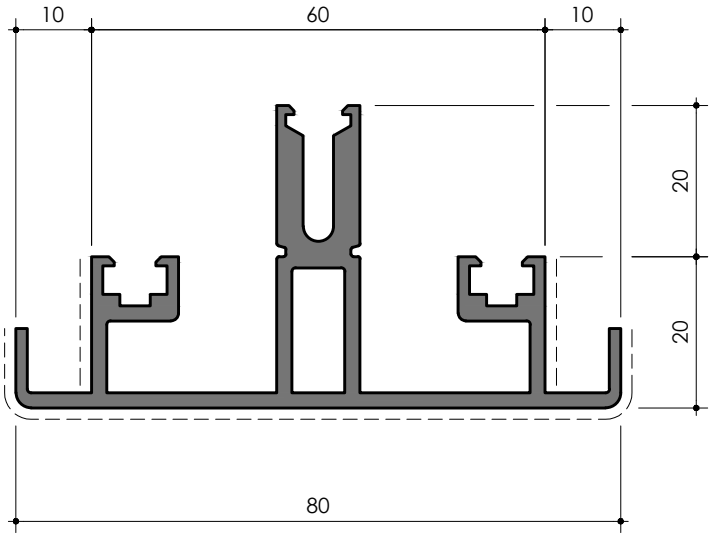
AVAILABLE ON REQUEST
MINIMUM ORDER OF 270 m



K839

kg/m 0.61

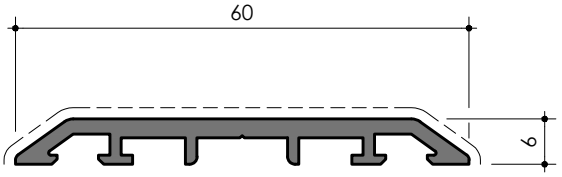
Ox Sup. 76 mm
Perim. t 221 mm



K861

kg/m 1.53

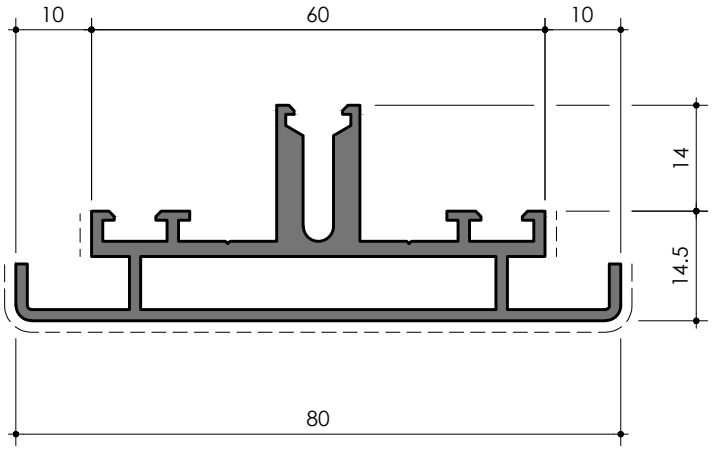
Ox Sup. 101 mm
Perim. t 456 mm



K840

kg/m 0.49

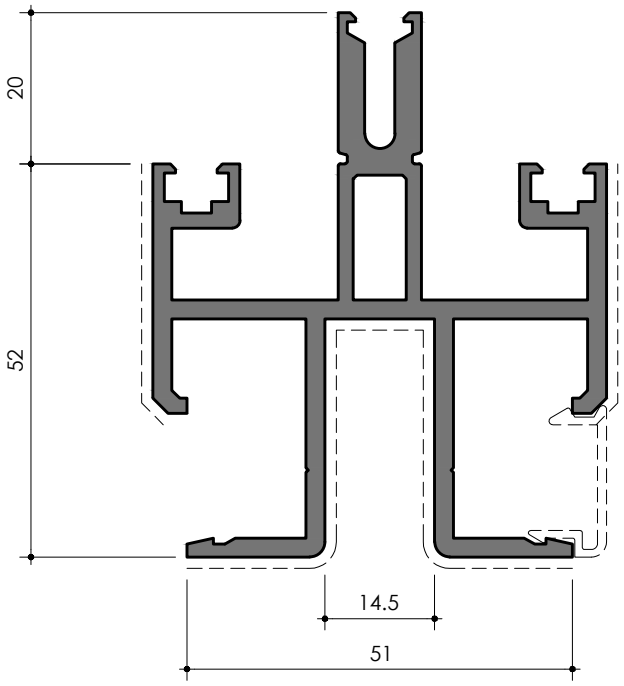
Ox Sup. 66 mm
Perim. t 173 mm



K862

kg/m 1.21

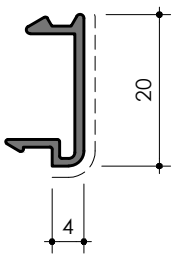
Ox Sup. 95 mm
Perim. t - mm



K805

kg/m 2.30 Ox Sup. 180 mm
Perim. t 627 mm

A RICHIESTA
AVAILABLE ON REQUEST



K806

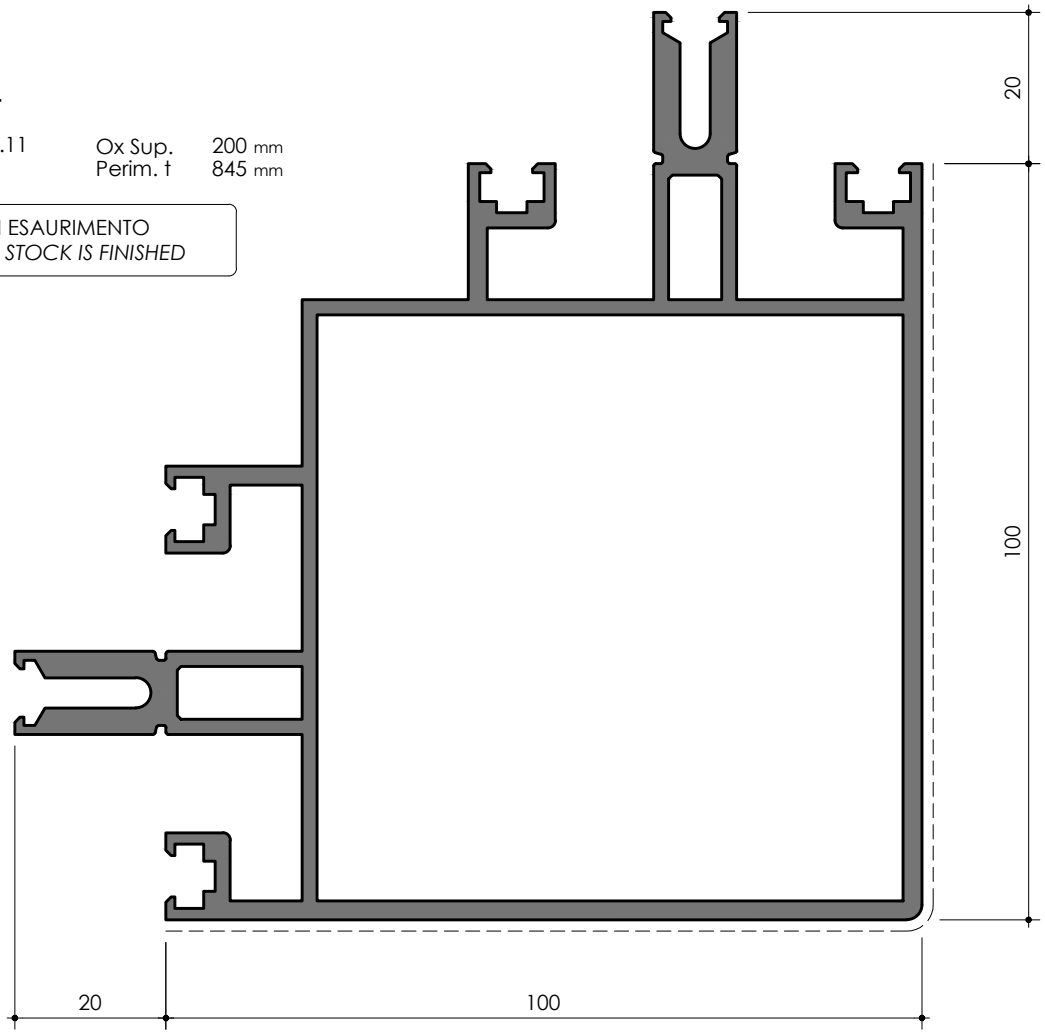
kg/m 0.13 Ox Sup. 24 mm
Perim. t 77 mm

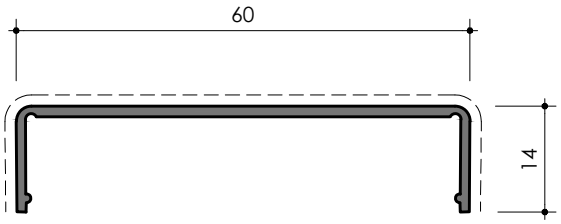
IN ESAURIMENTO
UNTIL STOCK IS FINISHED

K804

kg/m 4.11 Ox Sup. 200 mm
Perim. t 845 mm

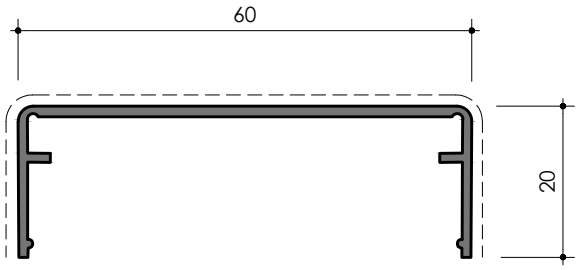
IN ESAURIMENTO
UNTIL STOCK IS FINISHED





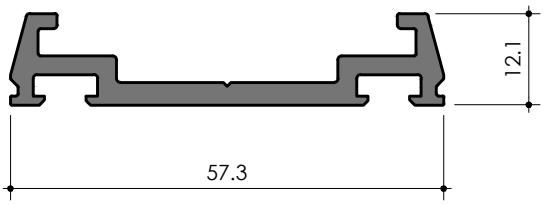
K832

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



K831

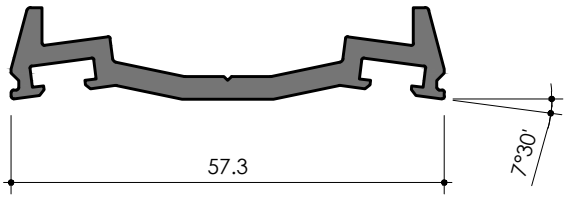
kg/m 0.38 Ox Sup. 100 mm
Perim. t 209 mm



K 830

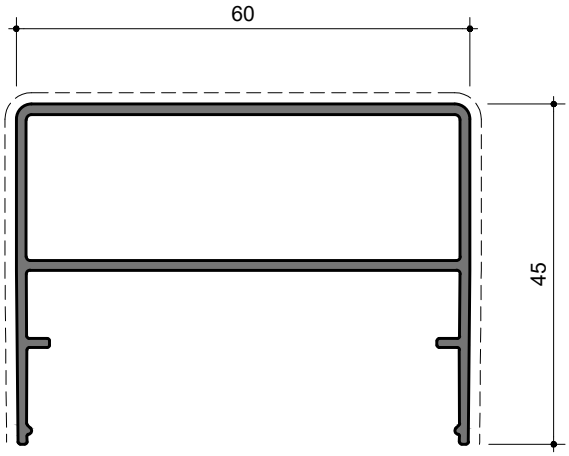
kg/m 0.68 Ox Sup. - mm
Perim. t 189 mm

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



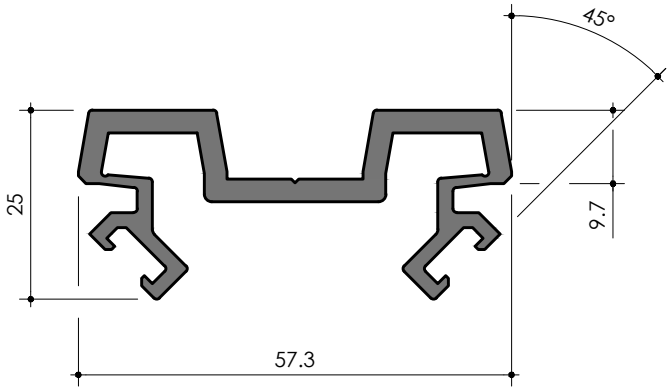
K 836

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



K 849

kg/m 0.79 Ox Sup. 150 mm
Perim. t 265 mm

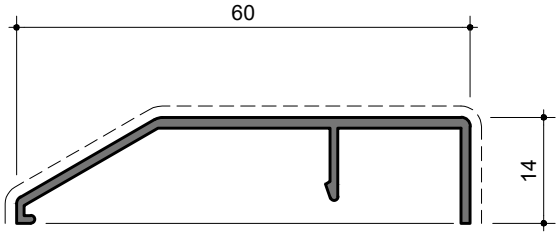


K 844

kg/m 1.07 Ox Sup. - mm
Perim. t 303 mm

A RICHIESTA
ORDINE MINIMO: 650 m

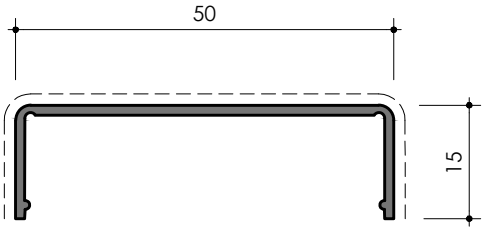
AVAILABLE ON REQUEST
MINIMUM ORDER OF 650 m



K 834

kg/m 0.32

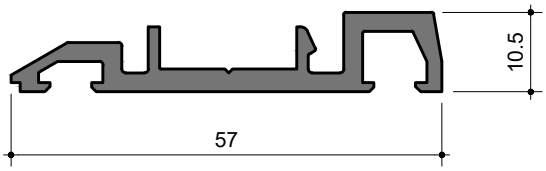
Ox Sup. 80 mm
Perim. t 179 mm



K 851

kg/m 0.27

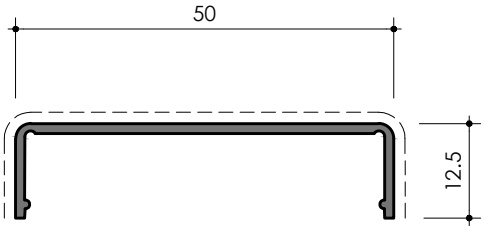
Ox Sup. 80 mm
Perim. t 157 mm



K 833

kg/m 0.63

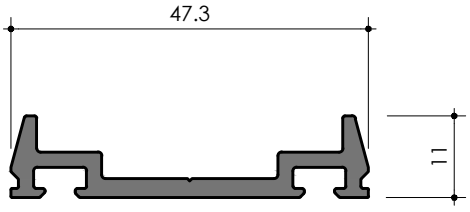
Ox Sup. - mm
Perim. t 193 mm



K 852

kg/m 0.26

Ox Sup. 73 mm
Perim. t 147 mm

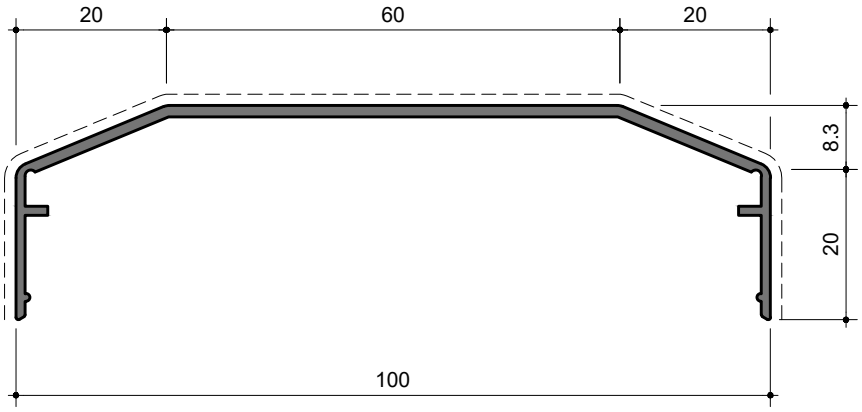


K 855

kg/m 0.48

Ox Sup. - mm
Perim. t 155 mm

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

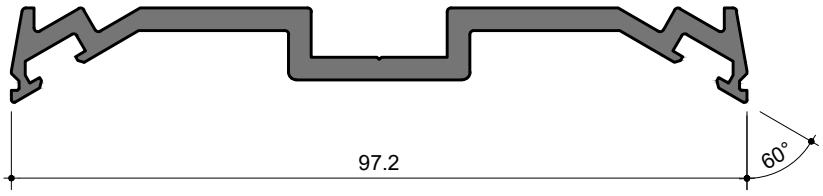


K 842

kg/m 0.59

Ox Sup. 142 mm
Perim. t 297 mm

IN ESAURIMENTO
UNTIL STOCK IS FINISHED

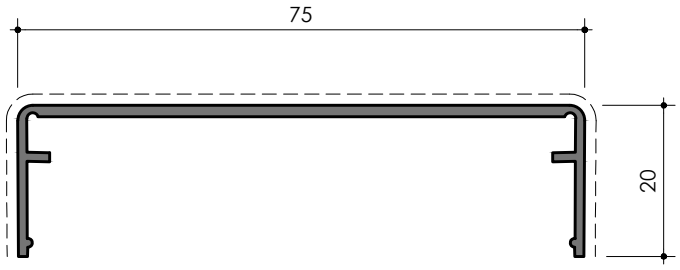


K 841

kg/m 1.07

Ox Sup. - mm
Perim. t 286 mm

IN ESAURIMENTO
UNTIL STOCK IS FINISHED

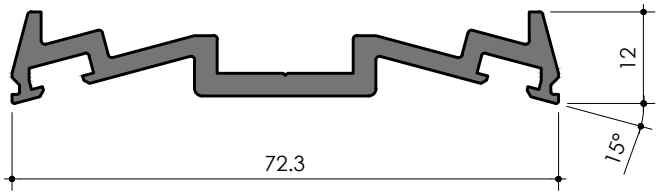


K 838

kg/m 0.46

Ox Sup. 115 mm
Perim. t 240 mm

IN ESAURIMENTO
UNTIL STOCK IS FINISHED

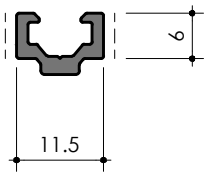


K 837

kg/m 0.82

Ox Sup. - mm
Perim. t 227 mm

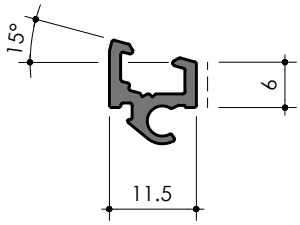
IN ESAURIMENTO
UNTIL STOCK IS FINISHED



K 894 (*)

kg/m 0.12

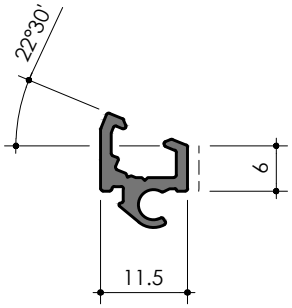
Ox Sup. 12 mm
Perim. t 52 mm



K 781 (*)

kg/m 0.15

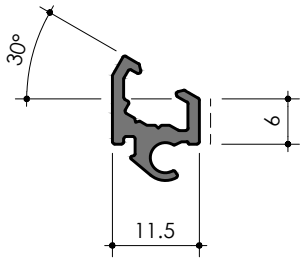
Ox Sup. 6 mm
Perim. t 69 mm



K 782 (*)

kg/m 0.16

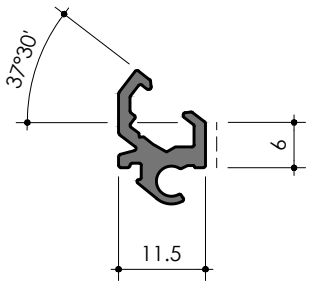
Ox Sup. 6 mm
Perim. t 72 mm



K 783 (*)

kg/m 0.18

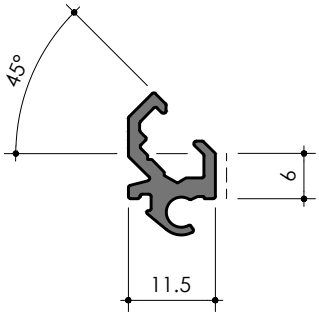
Ox Sup. 6 mm
Perim. t 75 mm



K 784 (*)

kg/m 0.19

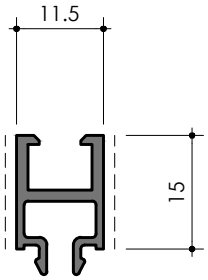
Ox Sup. 6 mm
Perim. t 79 mm



K 785 (*)

kg/m 0.20

Ox Sup. 6 mm
Perim. t 82 mm



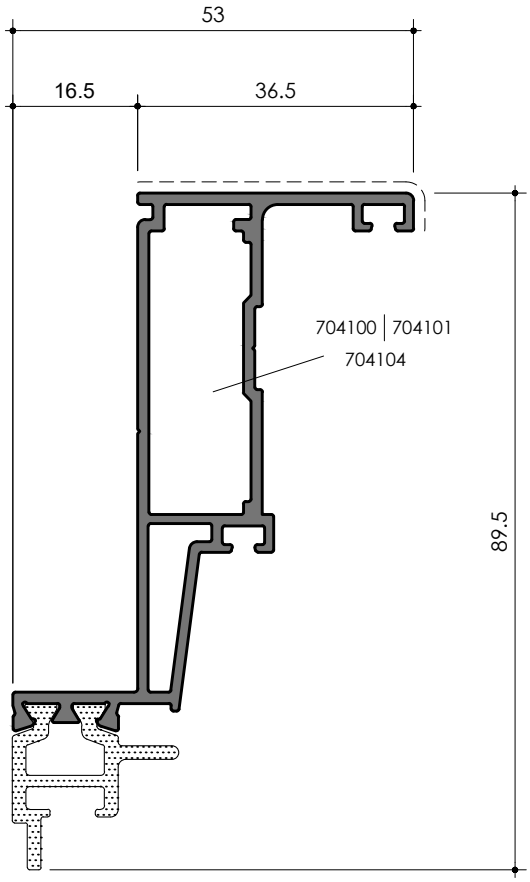
K 828 (*)

kg/m 0.19

Ox Sup. 30 mm
Perim. t 110 mm

* PROFILO FORNIBILE SOLO ANODIZZATO NERO

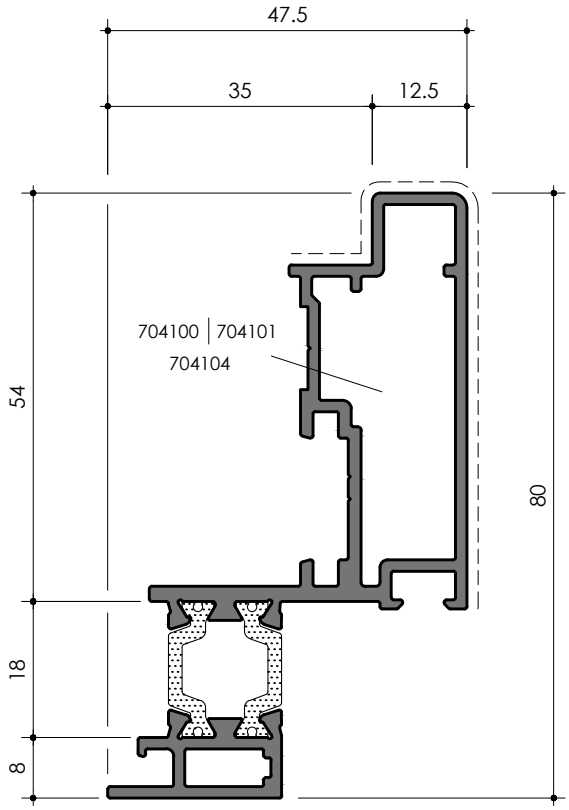
BLACK ANODIZED ONLY AVAILABLE SECTION



K 794

kg/m 1.16

Ox Sup. 41 mm
Perim. t 359 mm



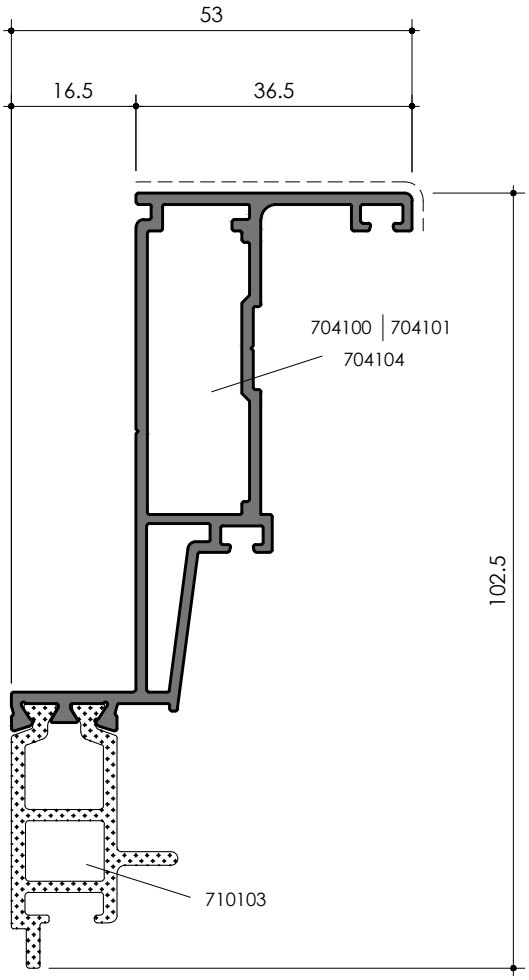
K 791

kg/m 1.38

Ox Sup. 87 mm
Perim. t 314 mm

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

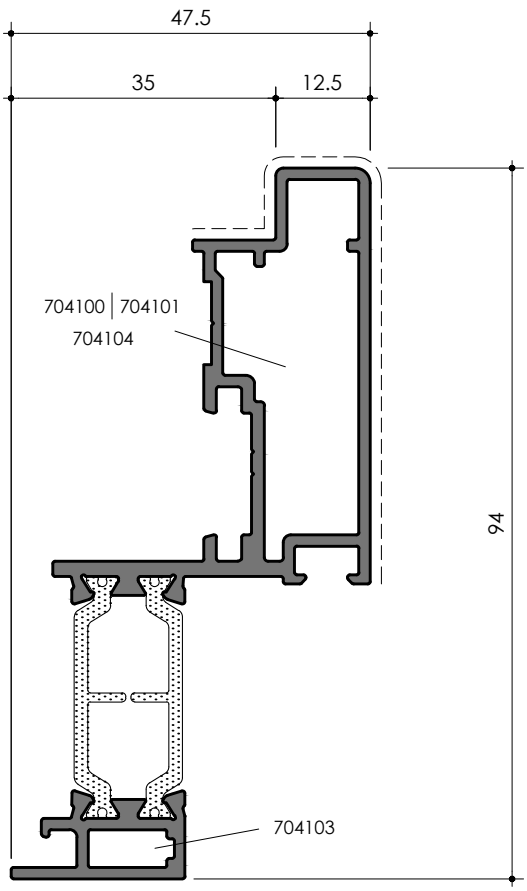
The outer surface of K 791 section is supplied exclusively with surface treatment suitable for structural sealing.
Approved by DOW CORNING AND SIKA.



B70501

kg/m 1.20

Ox Sup. 41 mm
Perim. t 374 mm



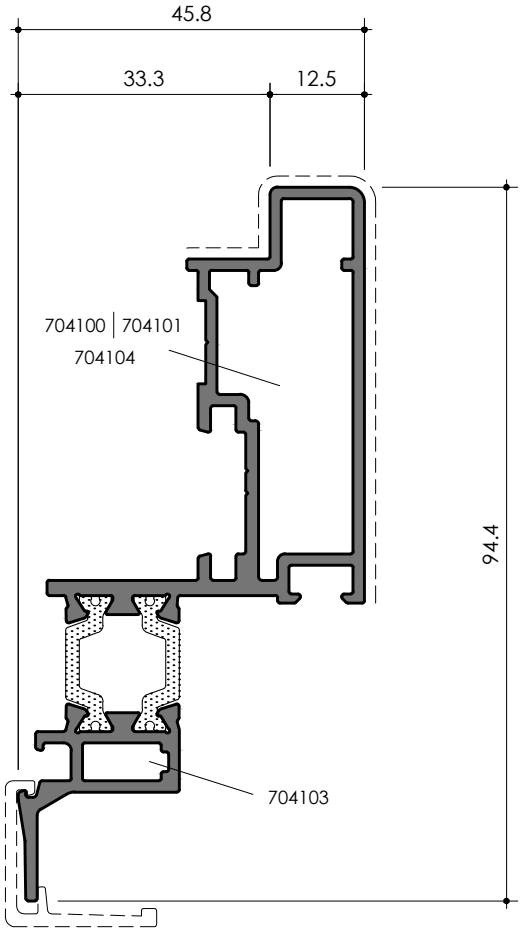
U70500

kg/m 1.46

Ox Sup. 87 mm
Perim. t 341 mm

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

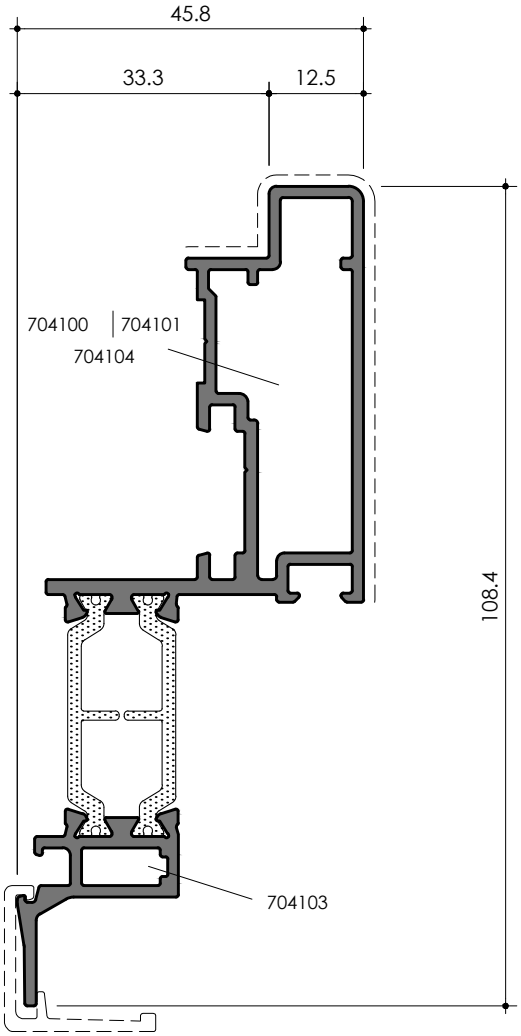
WARNING! Paint or anodize the profile before inserting the insulating bar



K 792

kg/m 1.45

Ox Sup. 87 mm
Perim. t 337 mm

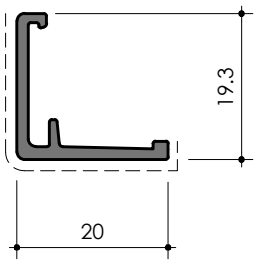


U70601

kg/m 1.52

Ox Sup. 87 mm
Perim. t 367 mm

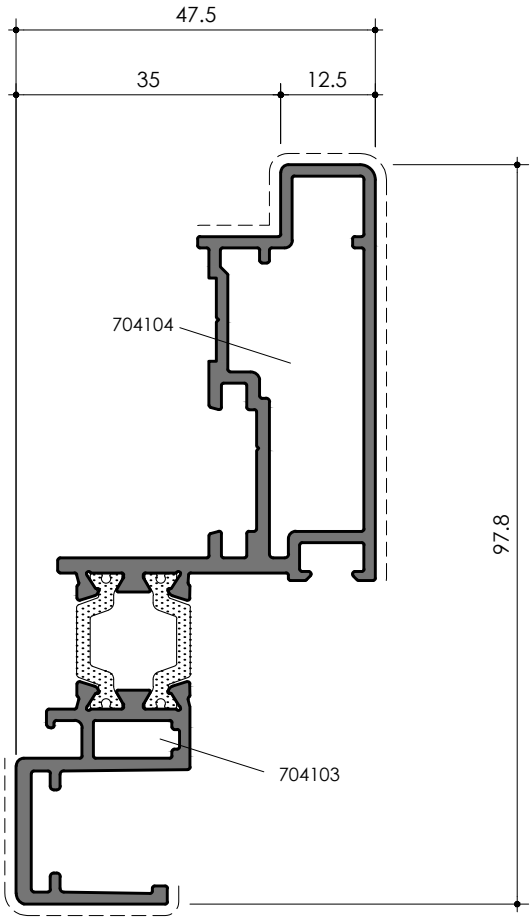
Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not raccomanded



K 793

kg/m 0.19

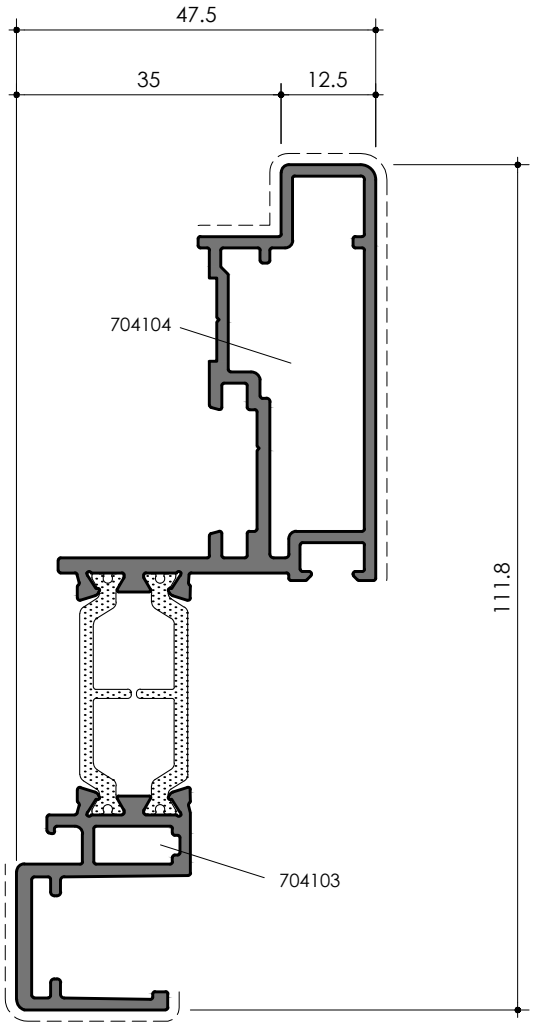
Ox Sup. 42 mm
Perim. t 90 mm



K 795

kg/m 1.59

Ox Sup. 129 mm
Perim. t 394 mm

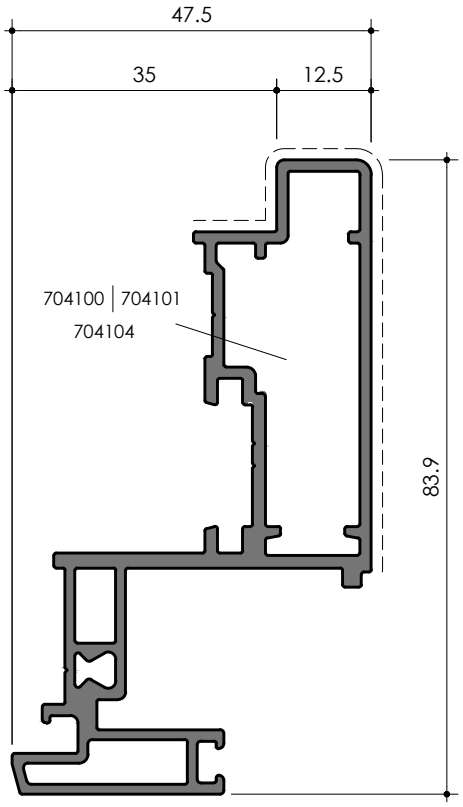


U70600

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 raccomanded

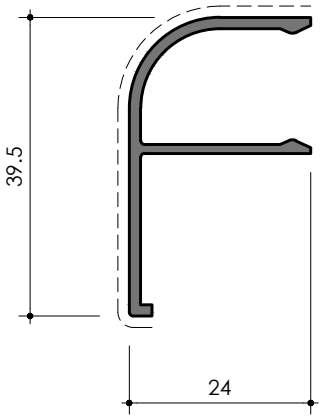


K 796

kg/m 1.39

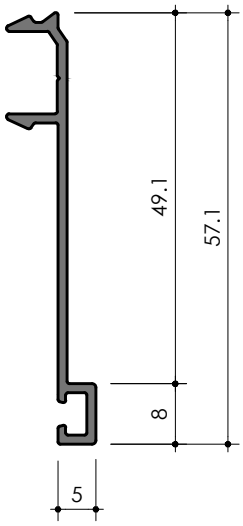
Ox Sup. 86 mm
Perim. t 349 mm

A RICHIESTA
AVAILABLE ON REQUEST



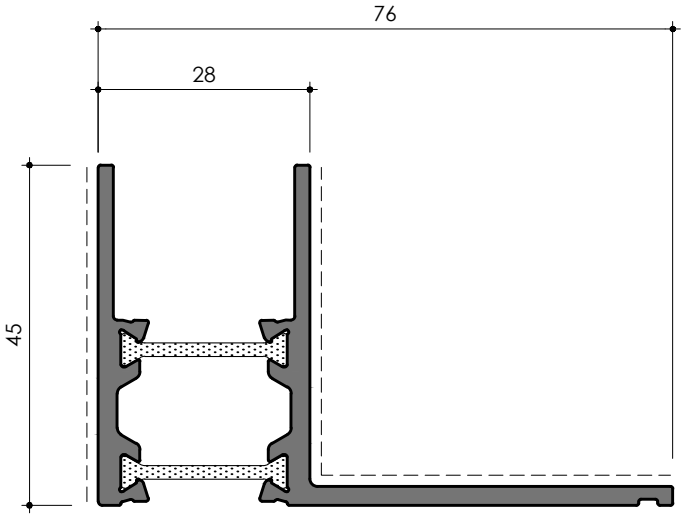
K 963

kg/m 0.33 Ox Sup. 61 mm
Perim. t 165 mm



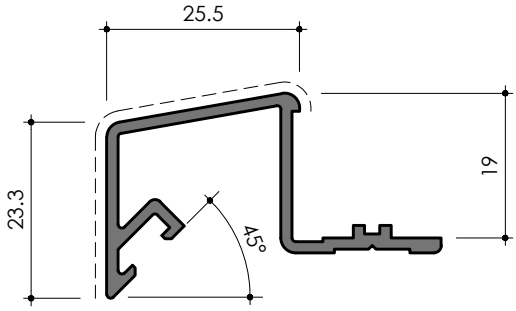
K 940

kg/m 0.28 Ox Sup. - mm
Perim. t 159 mm



K 879

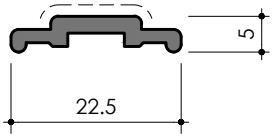
kg/m 1.25 Ox Sup. 134 mm
Perim. t 300 mm



K 843

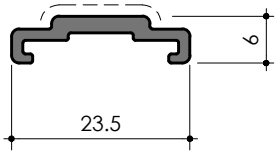
kg/m 0.45 Ox Sup. 50 mm
Perim. t 208 mm

IN ESAURIMENTO
UNTIL STOCK IS FINISHED



K 621

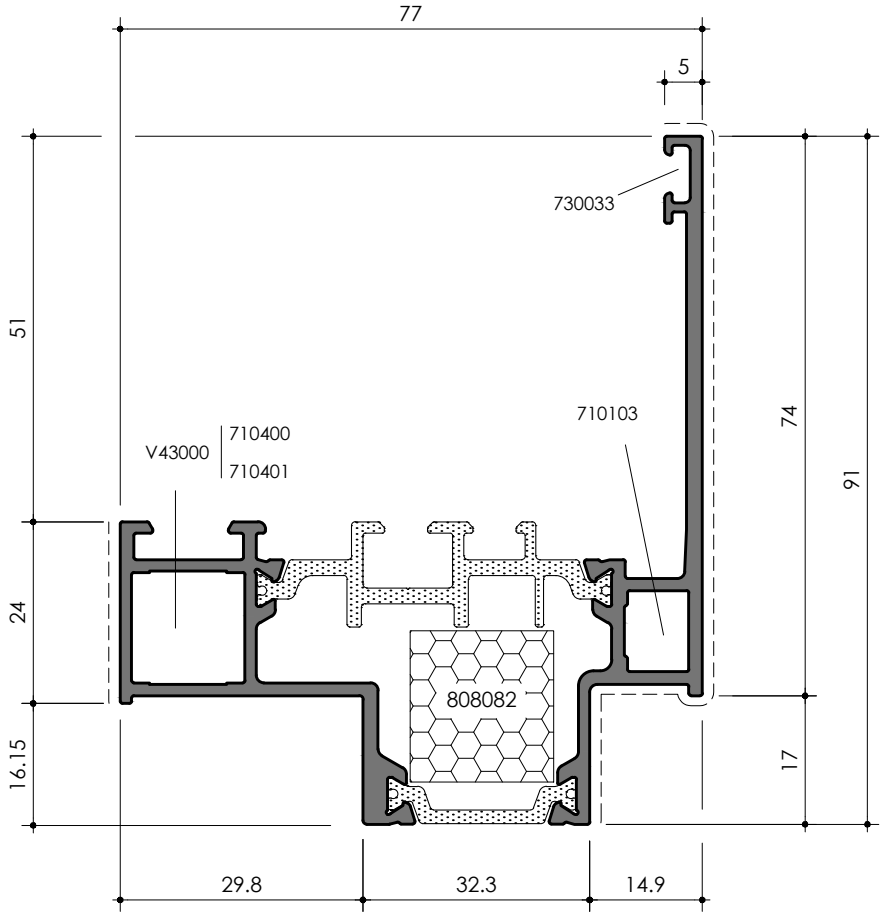
kg/m 0.15 Ox Sup. 15 mm
Perim. t 58 mm



K 1450

kg/m 0.17 Ox Sup. 15 mm
Perim. t 68 mm

PROFILI DI COMPLETAMENTO SERIE
SECTIONS AS SERIES COMPLEMENT

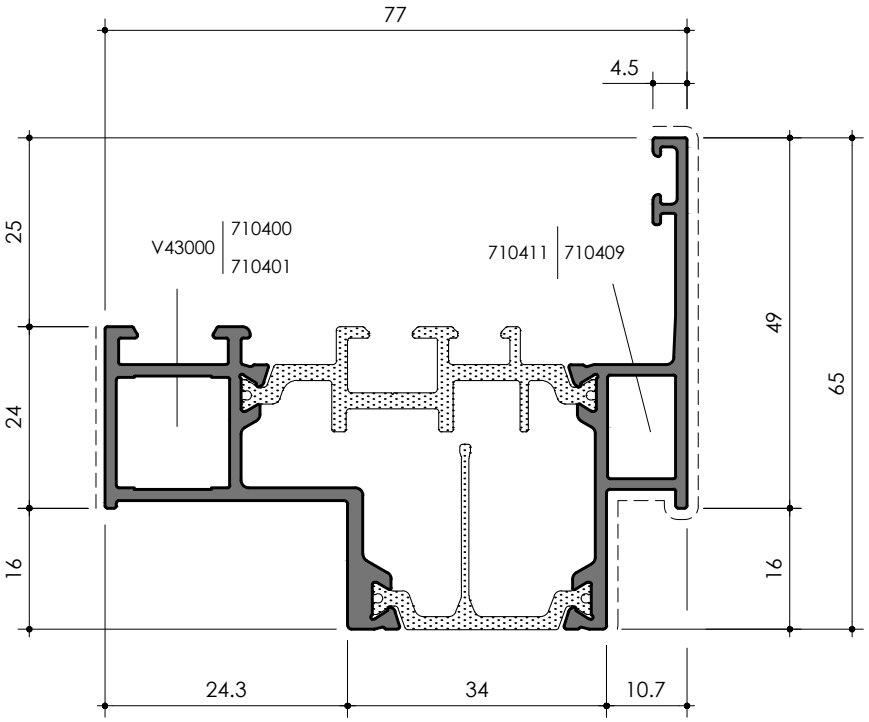


U48060

kg/m 1.70

Ox Sup.	138	mm	Perim.t	442	mm
Jx	32.63	cm⁴	Wx	6.92	cm³
Jy	26.80	cm⁴	Wy	4.46	cm³

serie C77K-CS
C77K-CS series



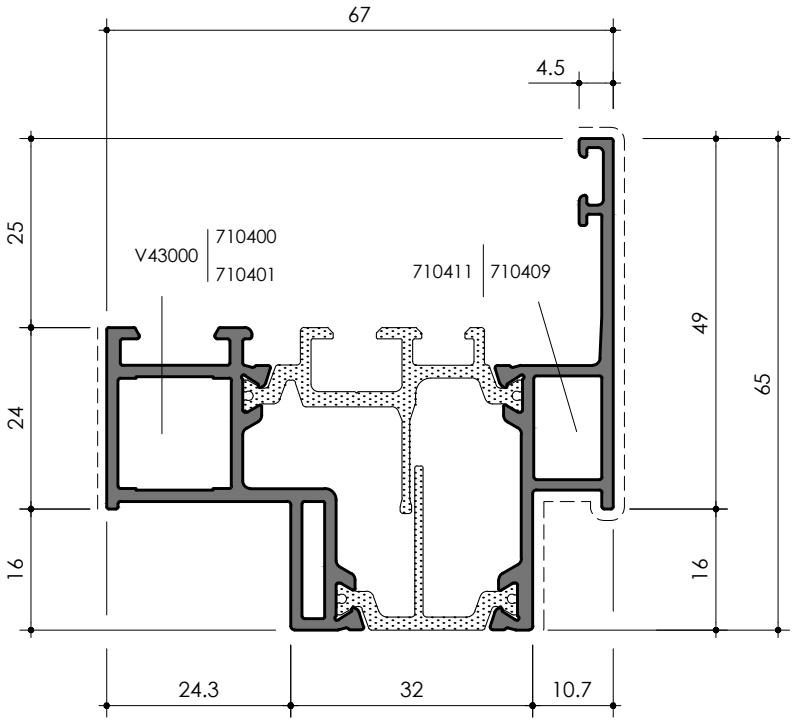
U28062

kg/m 1.47

Ox Sup.	109	mm	Perim.t	412	mm
Jx	27.16	cm⁴	Wx	6.38	cm³
Jy	10.48	cm⁴	Wy	2.59	cm³

serie C77K
C77K series

PROFILI DI COMPLETAMENTO SERIE
SECTIONS AS SERIES COMPLEMENT

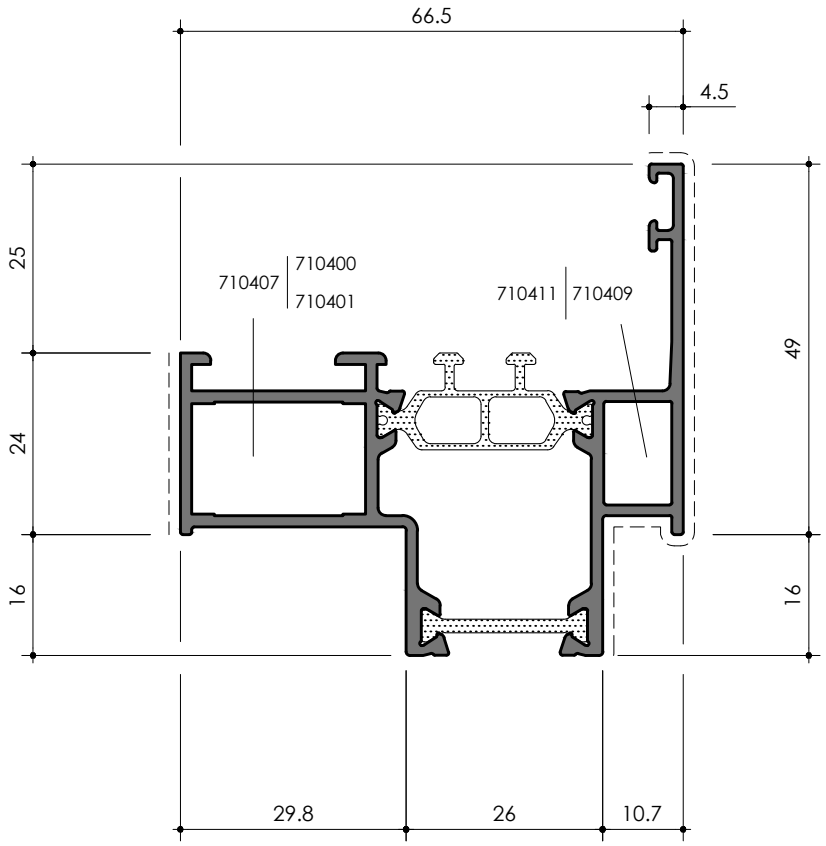


U20062

kg/m 1.50

Ox Sup.	109 mm	Perim.t	365 mm
Jx	19.22 cm⁴	Wx	5.21 cm³
Jy	10.64 cm⁴	Wy	2.62 cm³

serie C67K
C67K series



K 1709

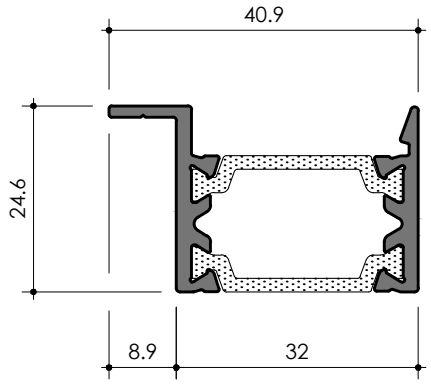
kg/m 1.36

Ox Sup.	109 mm	Perim.t	348 mm
Jx	20.86 cm⁴	Wx	4.83 cm³
Jy	9.01 cm⁴	Wy	2.34 cm³

serie 67IW
67IW series

PROFILI DI COMPLETAMENTO SERIE
SECTIONS AS SERIES COMPLEMENT

serie
D67
series



U51261

kg/m 0.64

Ox Sup. - mm
Perim. t 143 mm

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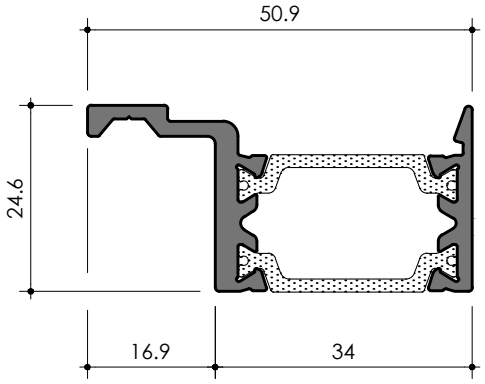
serie
D77
series



U52261

kg/m 0.71

Ox Sup. - mm
Perim. t 190 mm

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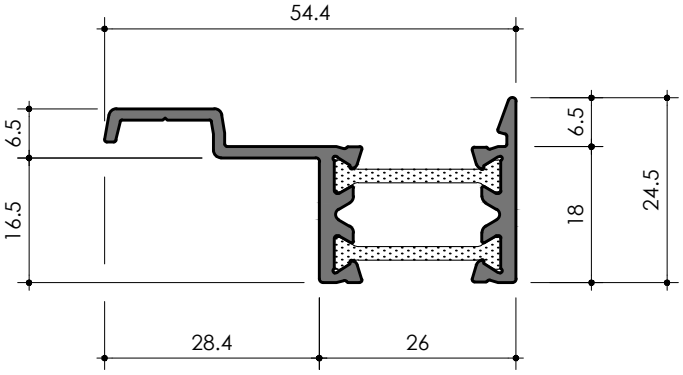
serie
67ID
67IW
series



K 1764

kg/m 0.66

Ox Sup. - mm
Perim. t 187 mm

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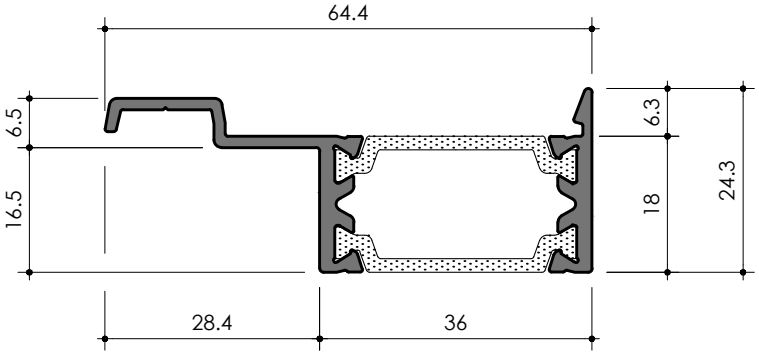
serie
77ID
77IW
series



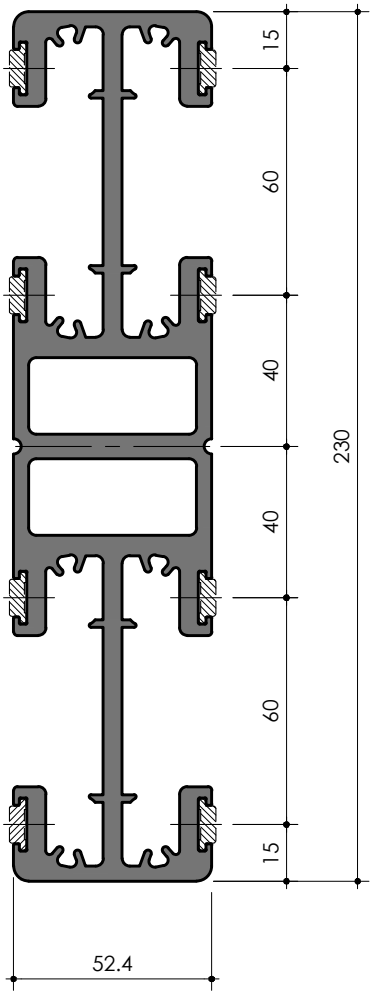
K 2064

kg/m 0.73

Ox Sup. - mm
Perim. t 190 mm

A RICHIESTA
AVAILABLE ON REQUEST

GIUNTI DI DILATAZIONE / RINFORZI
EXTRUDED SECTIONS FOR DILATATION REINFORCEMENT



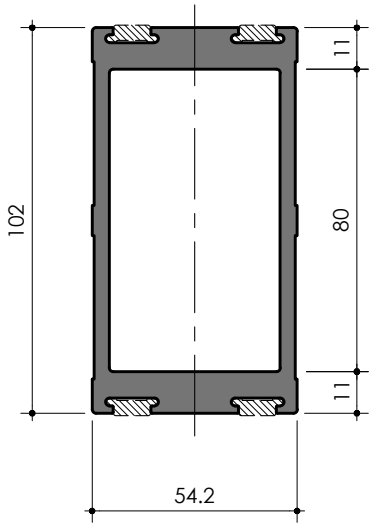
PER MONTANTI
FOR MULLIONS

K 1810

Kg/m 10.69

Da utilizzare con piastrine antifrizione 703058
e barrette antifrizione 800008

scala 1:2
L=6000 mm



PER MONTANTE K863
FOR K863 MULLION

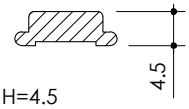
K 1822

Kg/m 4.67

Jx	239.02 cm^4	Wx	46.87 cm^3
Jy	63.20 cm^4	Wy	23.32 cm^3

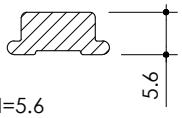
scala 1:2
L=6000 mm

800008

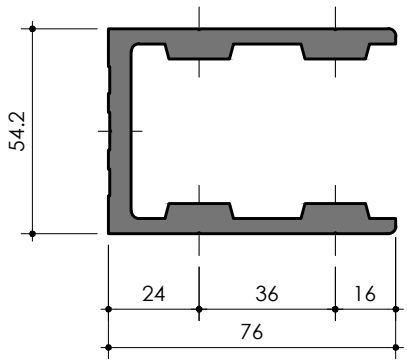


BARRETTA ANTIFRIZIONE H=4.5
ANTI-SLIDING THICKNESS

800033



BARRETTA ANTIFRIZIONE H=5.6
ANTI-SLIDING THICKNESS

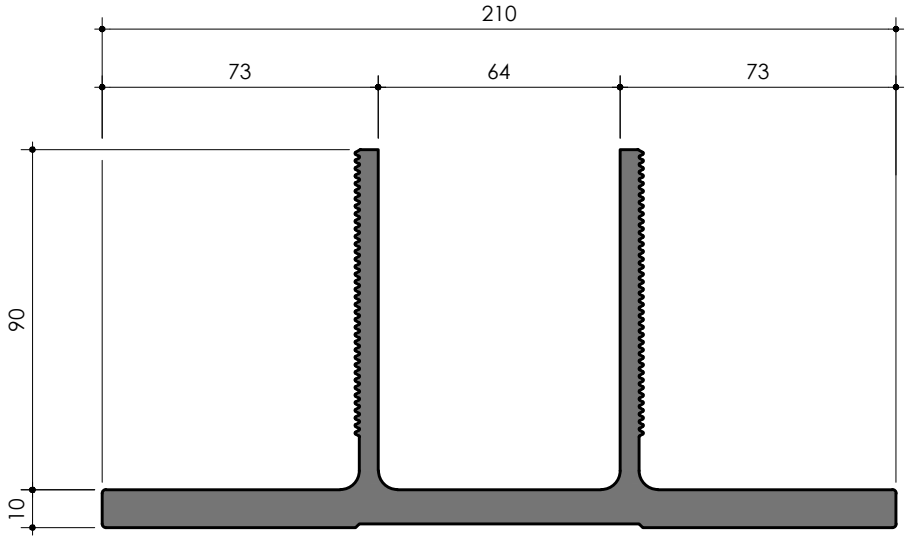


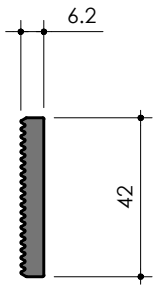
K 1813

Kg/m 3.26

PROFILO MENSOLA PER MONTANTI ANGOLATI
JOINT SECTION FOR CORNER MULLIONS

scala 1:2
L=6000 mm





K 1818

Kg/m 8.60

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

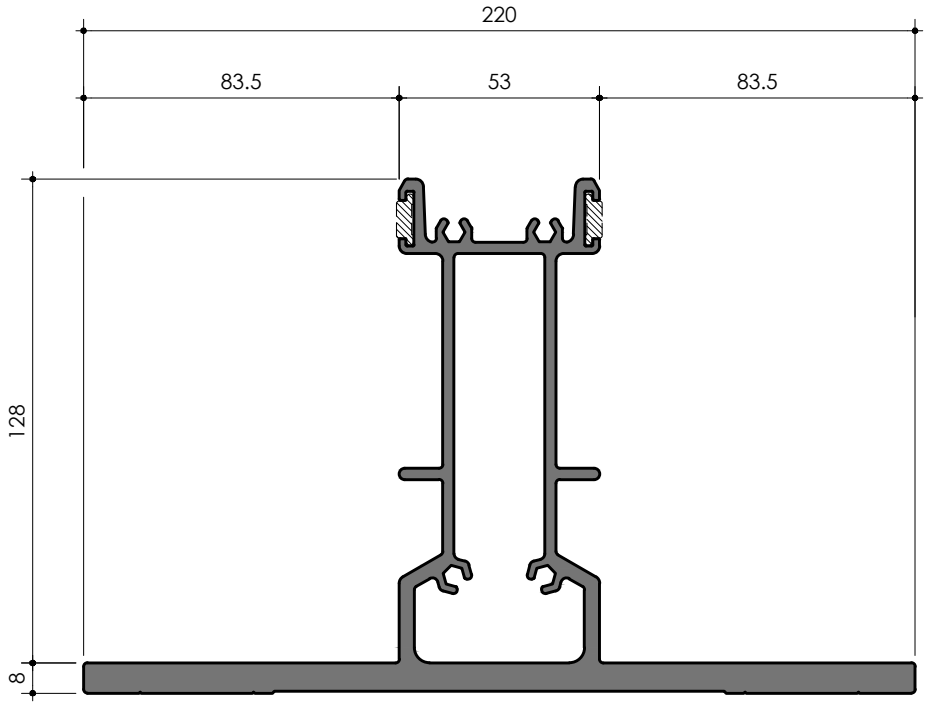
scala 1:2
L=2000 mm

K 1819

Kg/m 0.66

PROFILO PER PIASTRA DI FISSAGGIO
SECTION FOR FIXING PLATE

scala 1:2
L=2000 mm



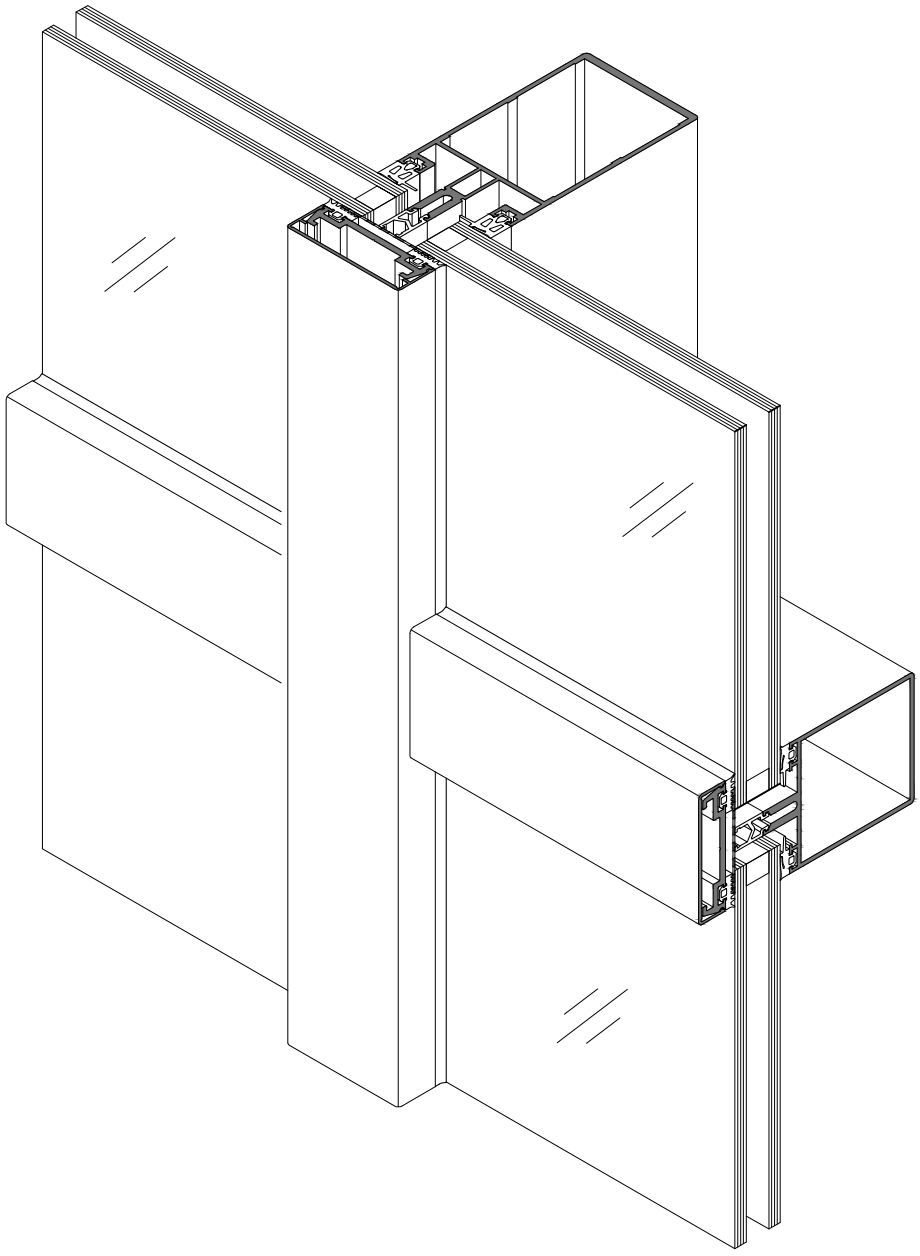
K 1820

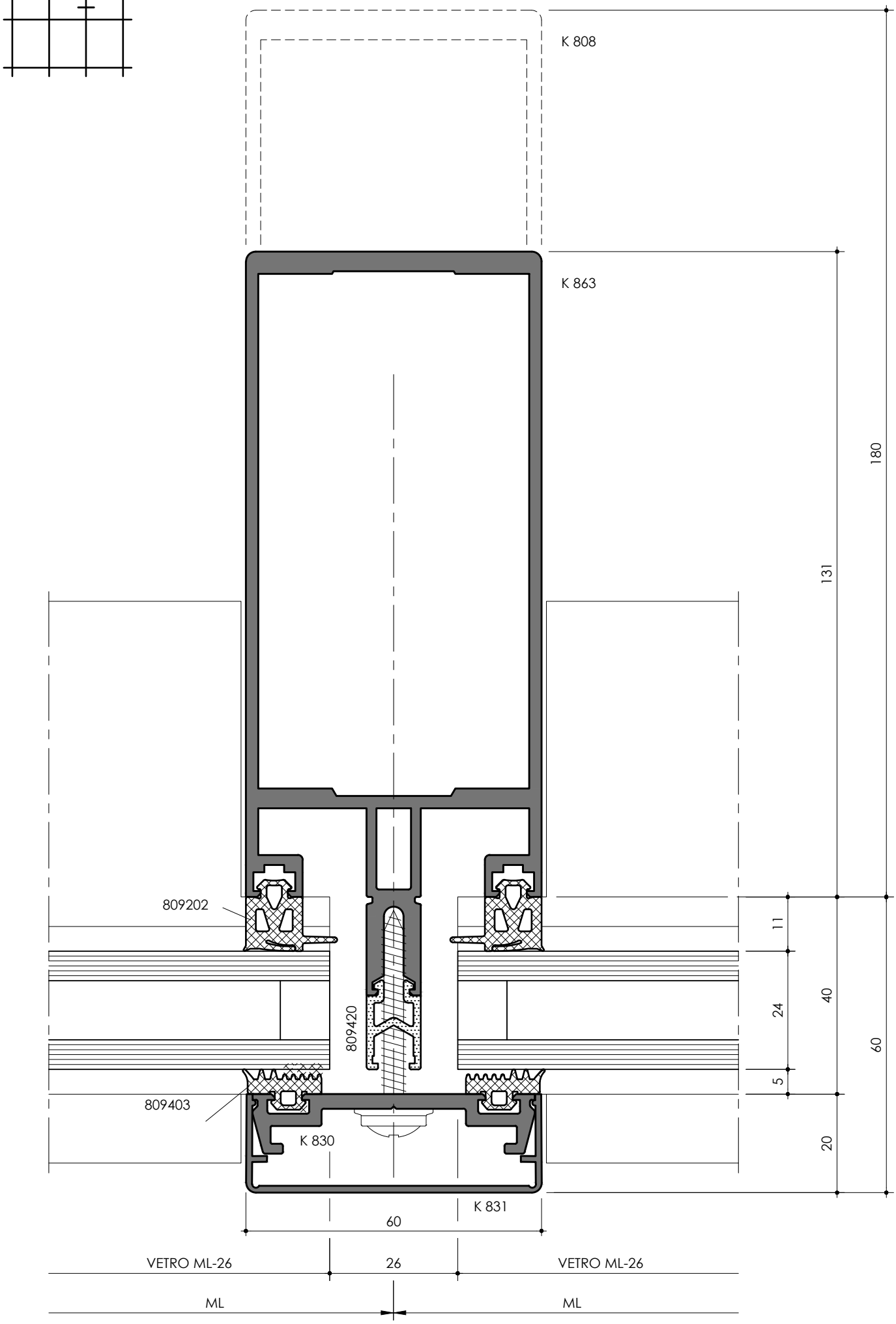
Kg/m 8.28

PROFILO PER ATTACCO DI BASE
SECTION FOR BASE ANCHORING

scala 1:2
L=2000 mm

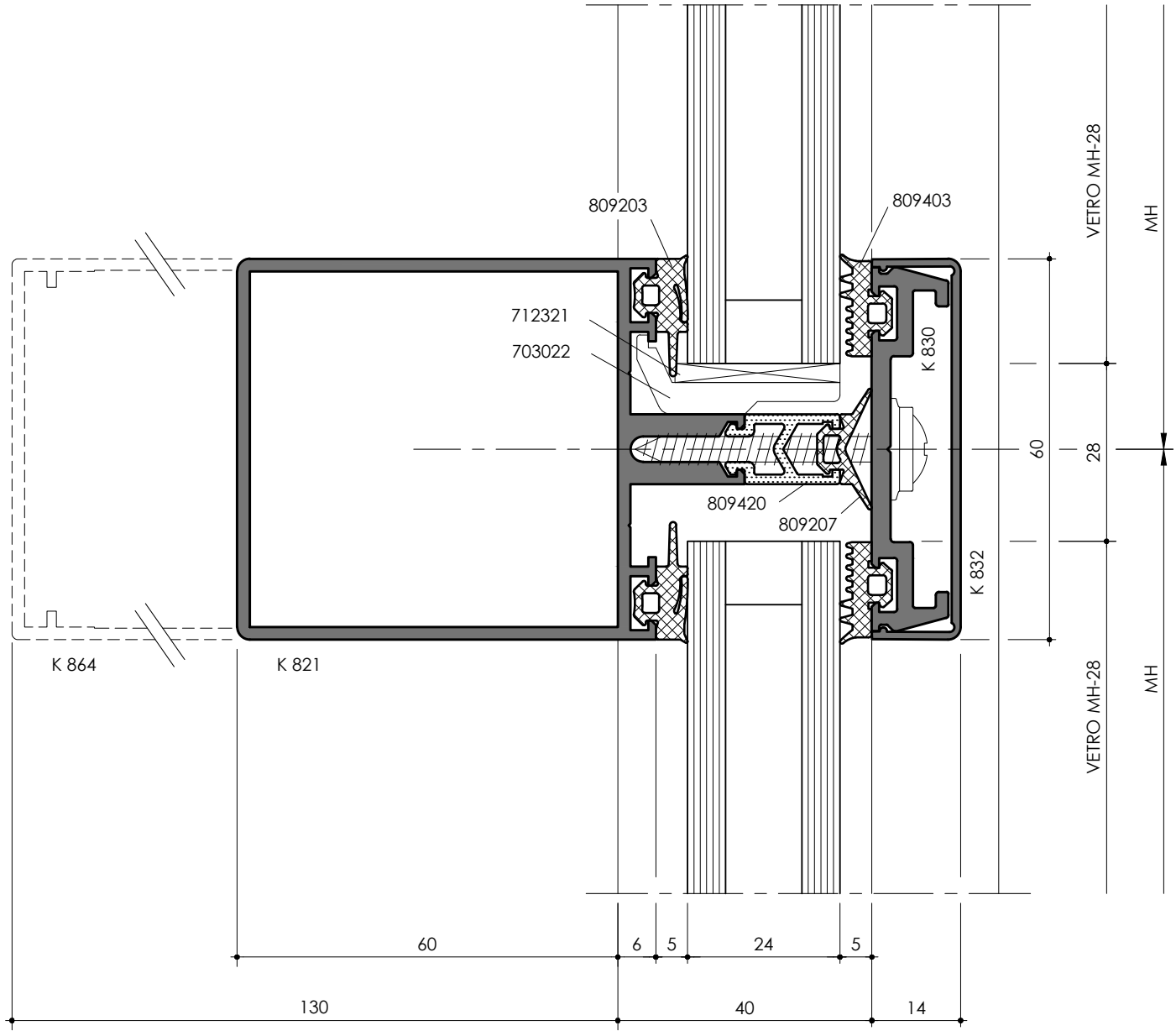
SEZIONI TIPICHE SL60
TYPICAL DETAILS SL60

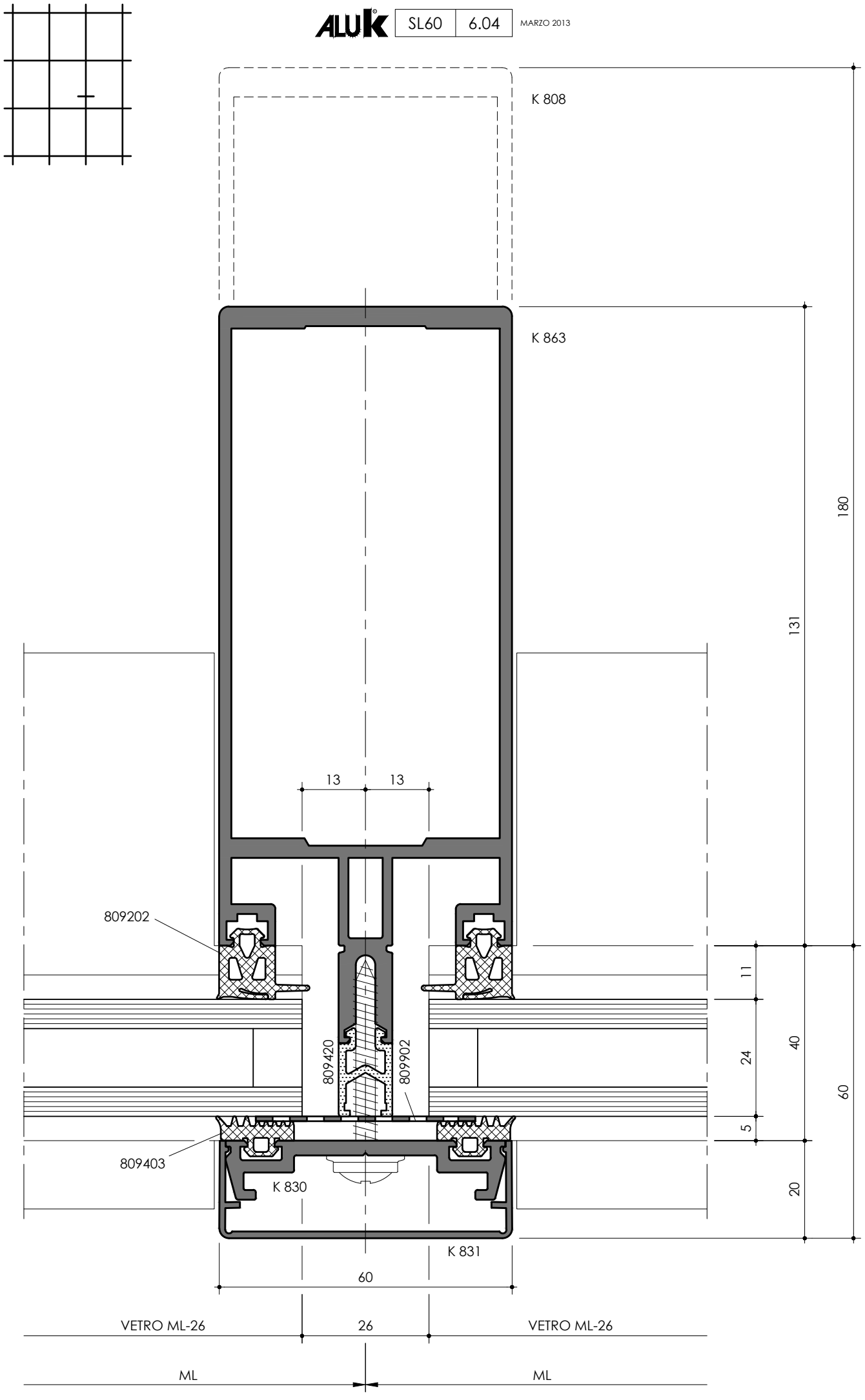



K 808
K 863
180
131
809202
809420
809403
K 830
K 831
11
24
5
40
60
20
60
VETRO ML-26
26
VETRO ML-26
ML
ML

SOLUZIONE VALIDA SOLO PER FACCIATE PIANE VERTICALI

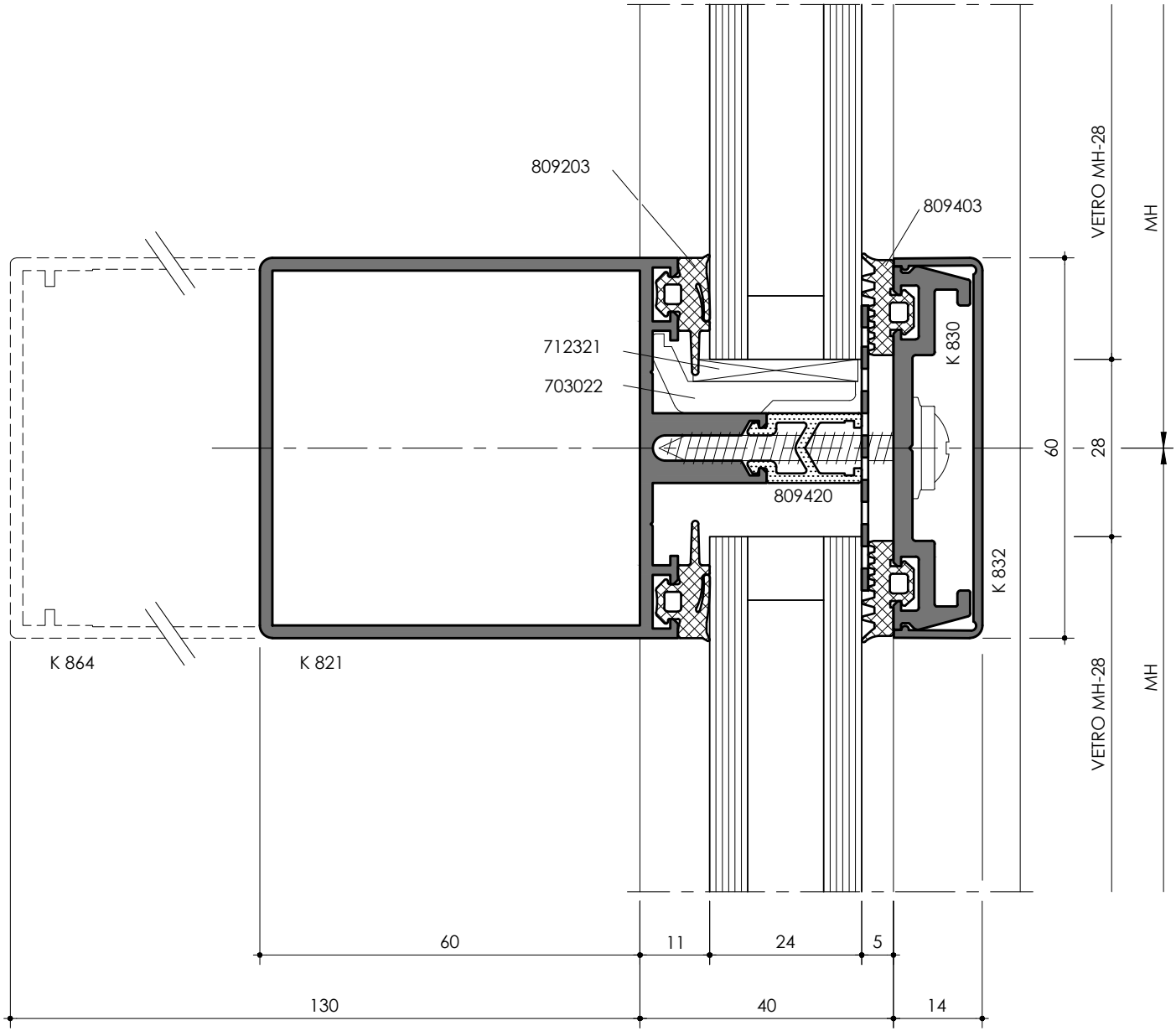
SOLUTION FOR VERTICAL PLANE CURTAIN WALL ONLY

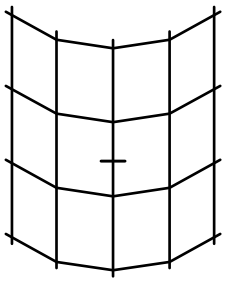


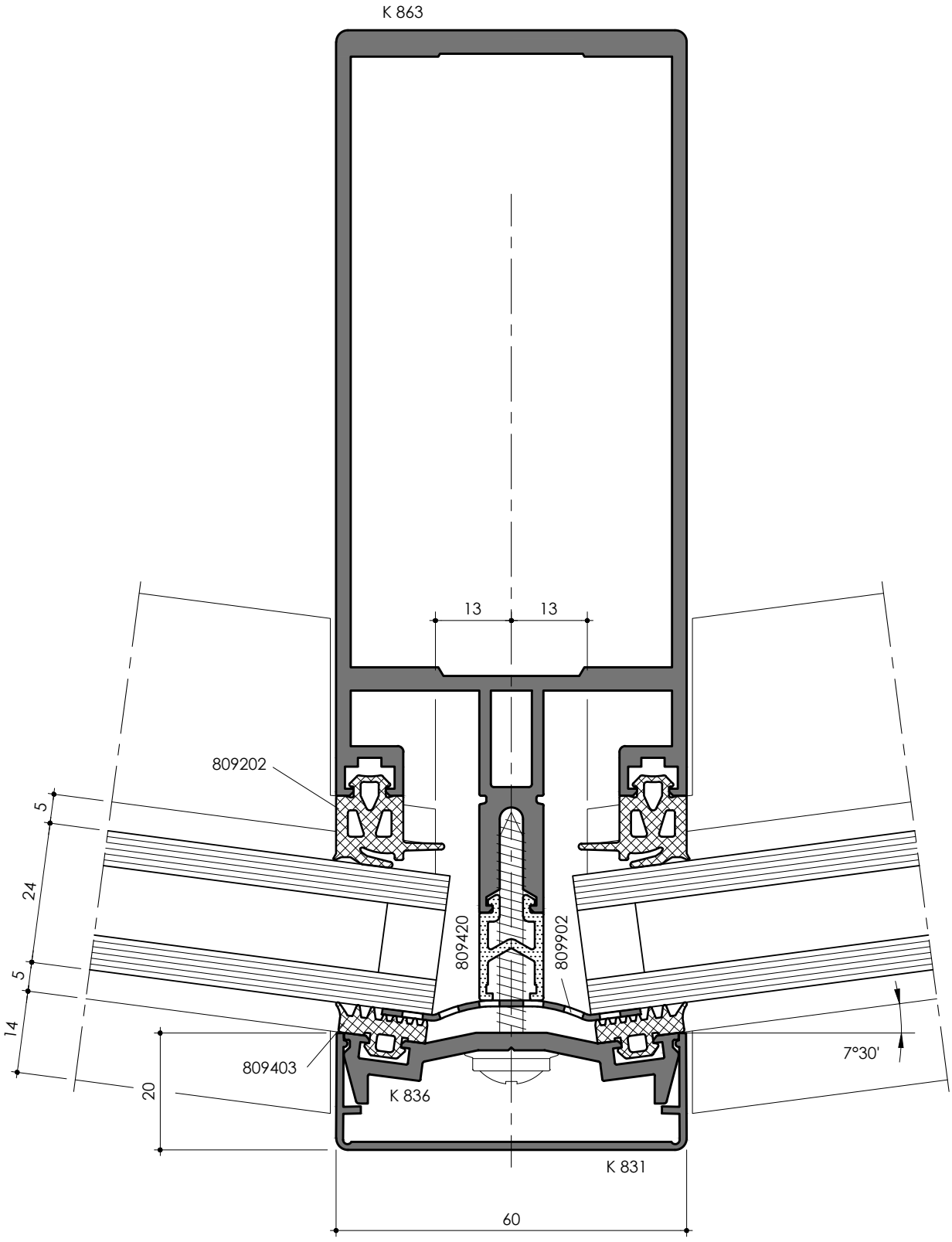

K 808
K 863
180
131
13
13
809202
11
40
24
809420
809902
60
5
809403
K 830
20
K 831
60
VETRO ML-26
26
VETRO ML-26
ML
ML

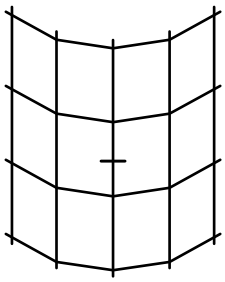
NELLE FACCIATE VERTICALI PIANE IL NASTRO BUTILICO 809902 PUO' ESSERE SOSTITUITO DALLA FLANGIA DI TENUTA ESTERNA 709390 (VEDI TAVOLA 8.32)

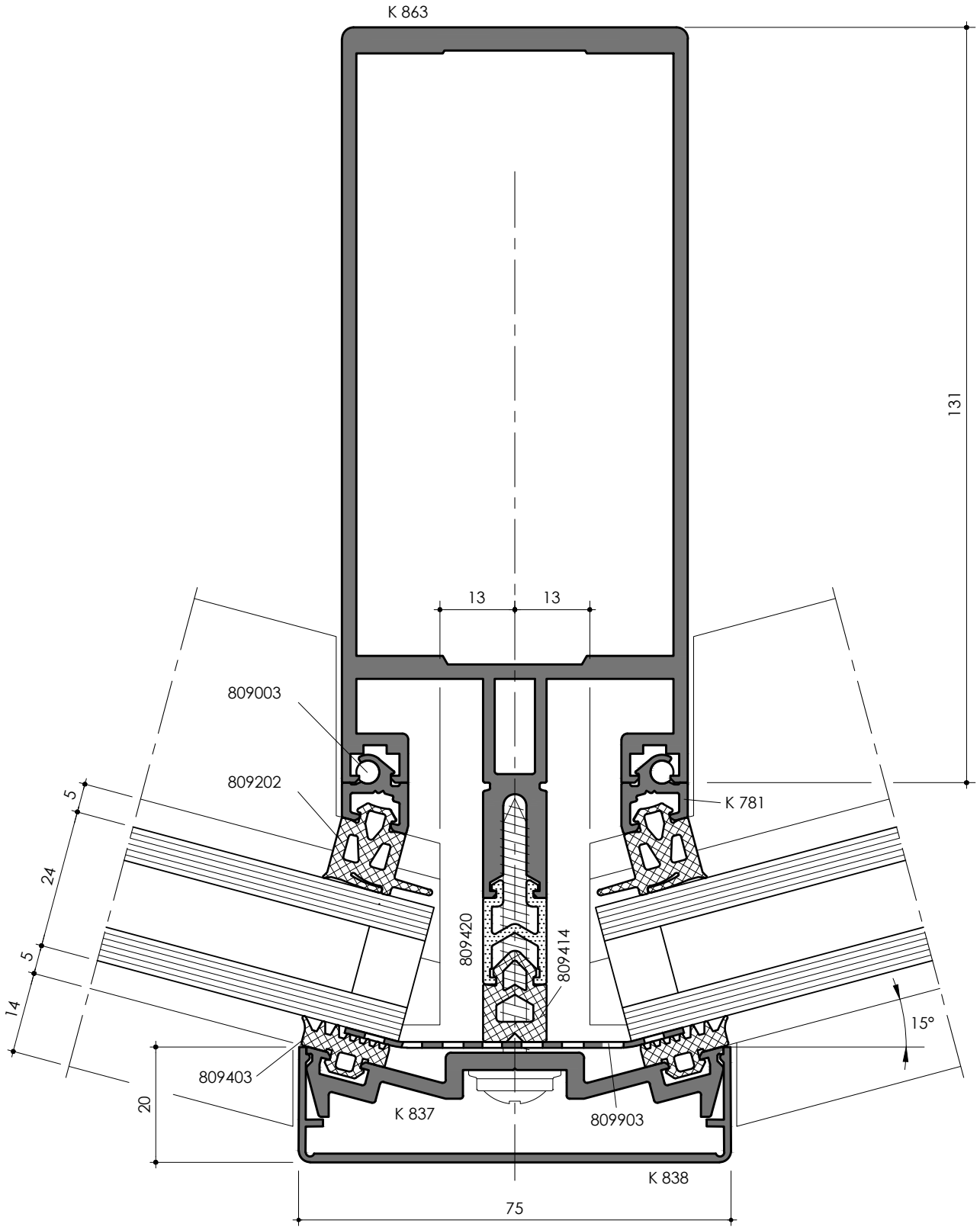
ONLY IN VERTICAL AND PLANE CURTAIN WALLS, THE BUTYLIC TAPE CAN BE SUBSTITUTED BY THE EXTERNAL PRESSURE PLATE SEALING PLUG 709390 (SEE TABLE 8.32)

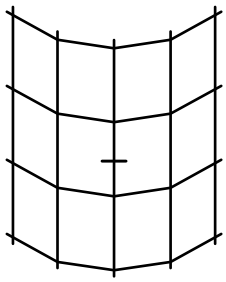


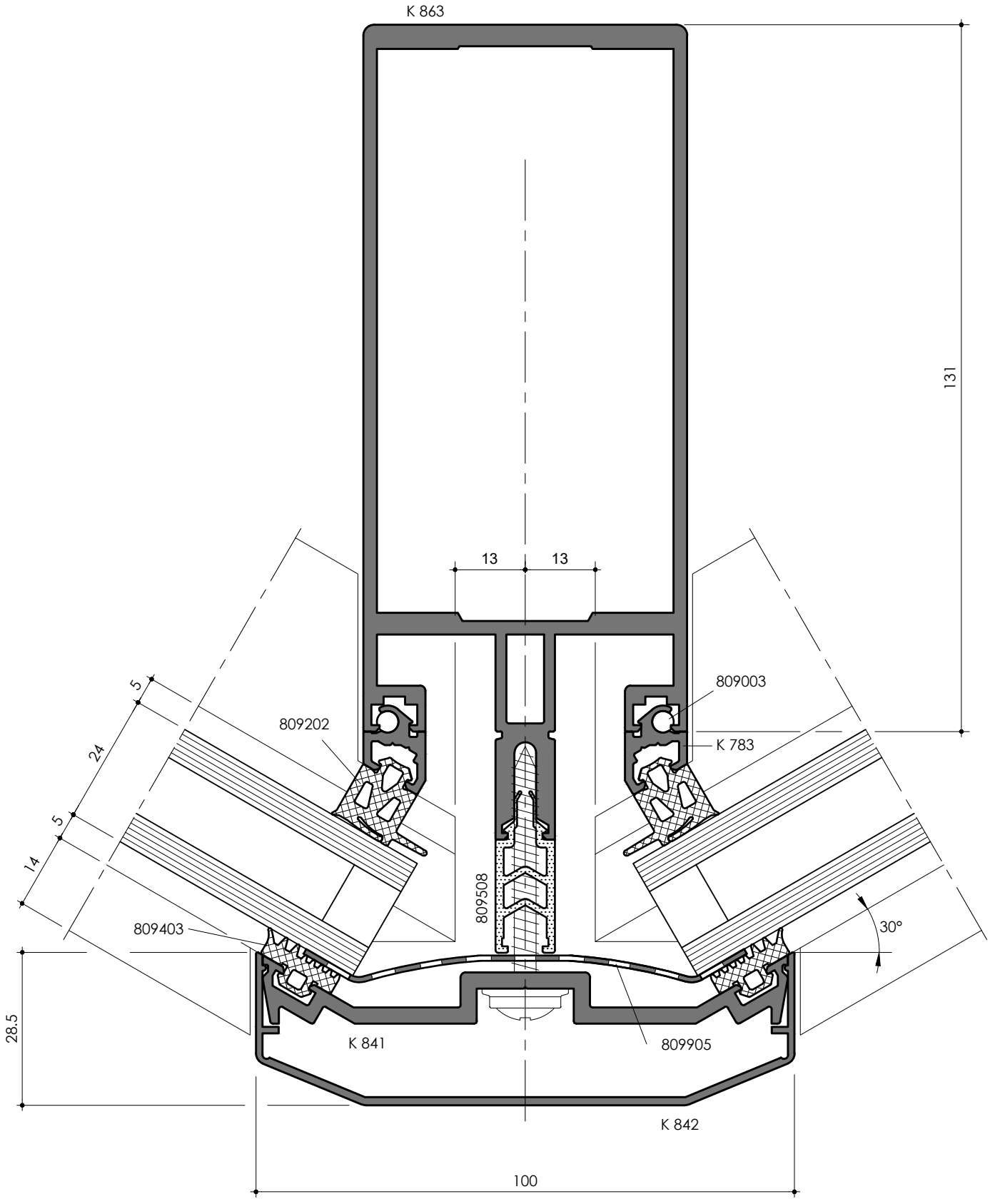


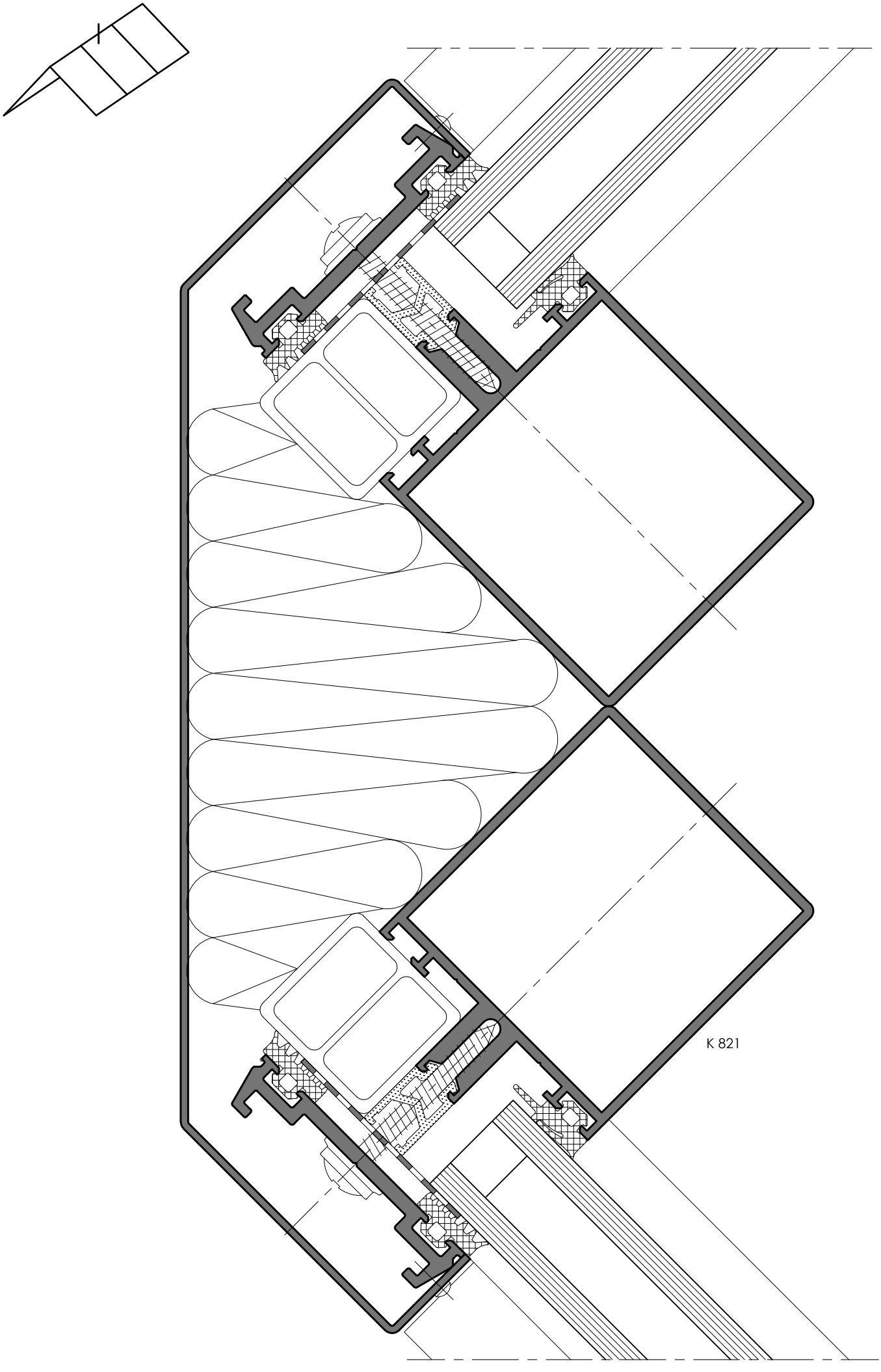

K 863
13
13
809202
5
24
5
14
20
809420
809902
809403
K 836
K 831
7°30'
60

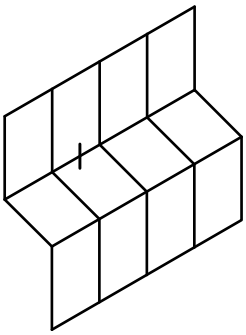


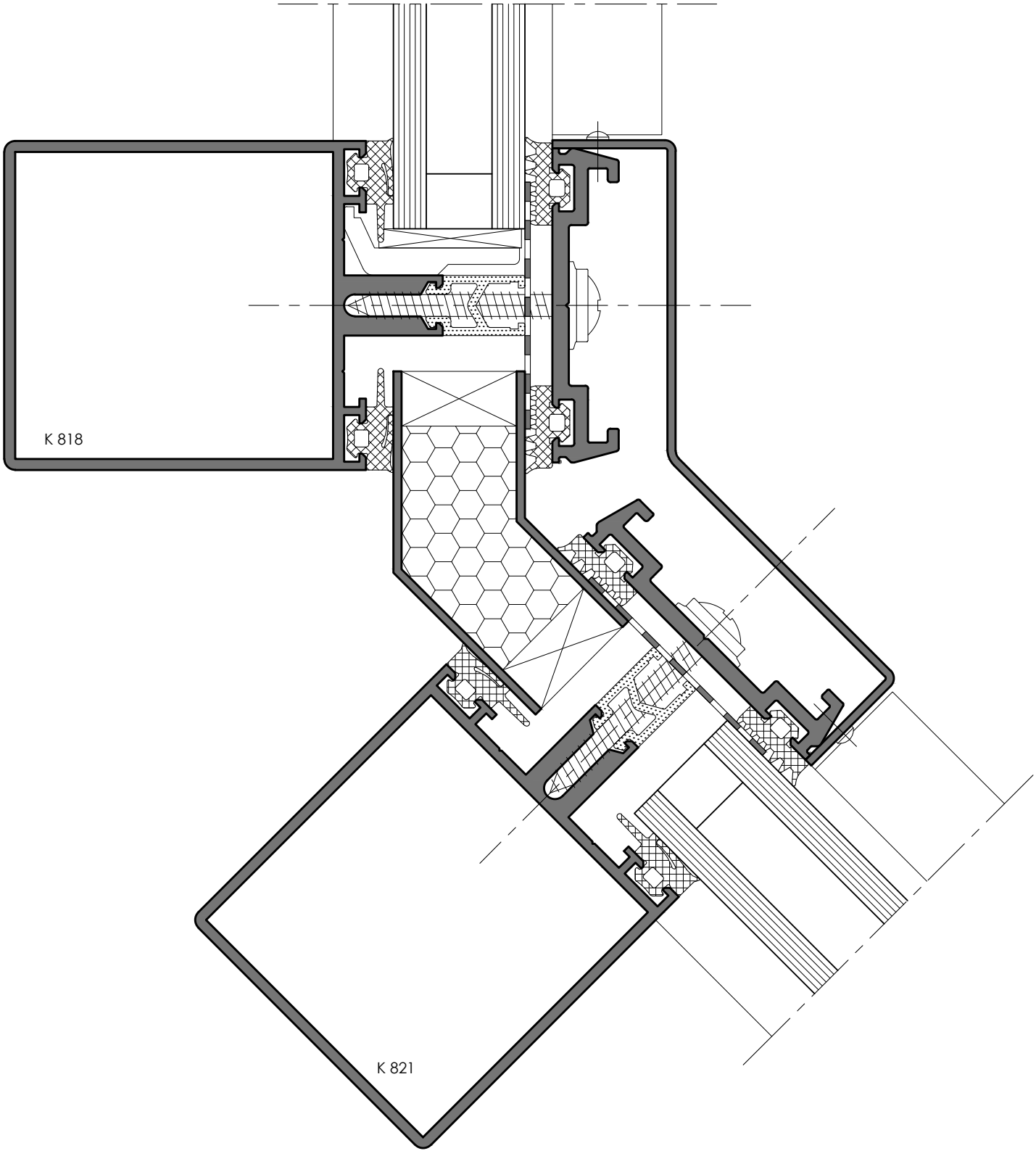

K 863
131
13
13
809003
809202
K 781
5
24
5
14
809420
809414
15°
809403
20
K 837
809903
K 838
75




K 863
131
13
13
5
24
5
14
809202
809003
K 783
809508
809403
30°
28.5
K 841
809905
K 842
100


K 821

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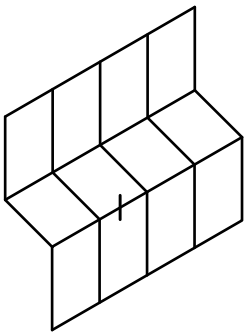

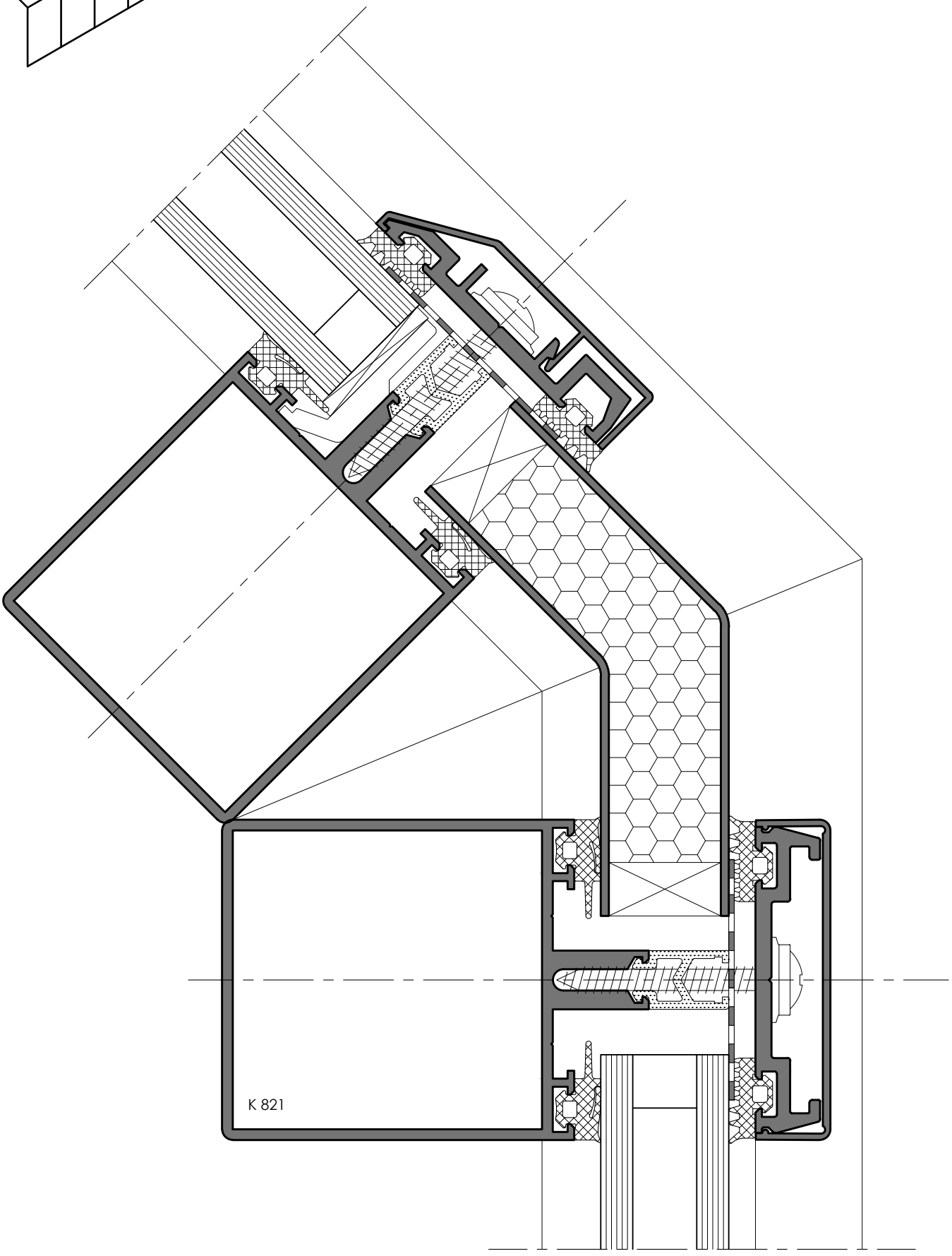
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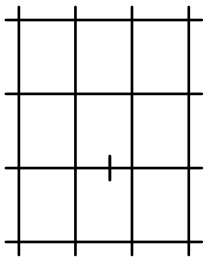

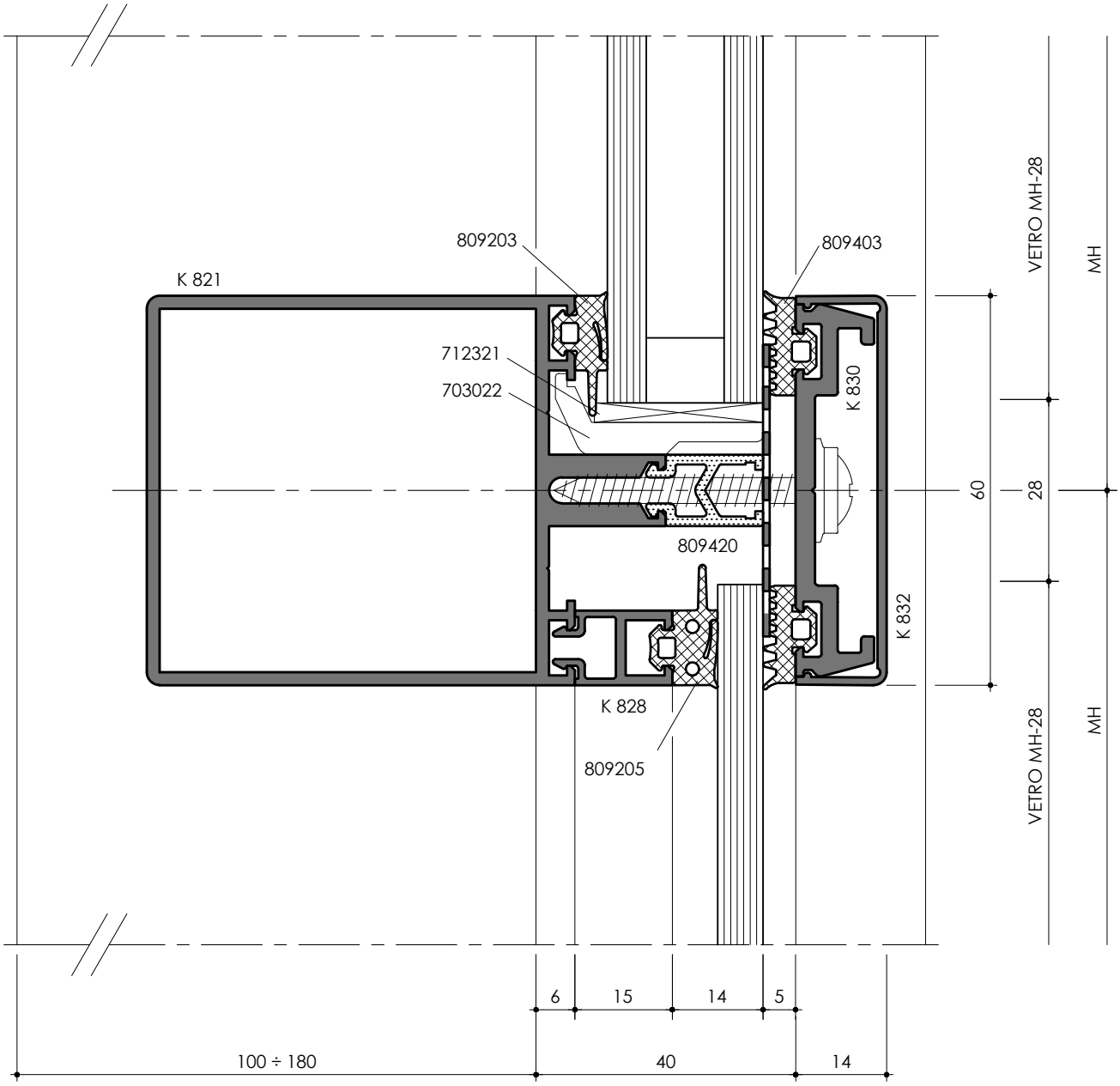
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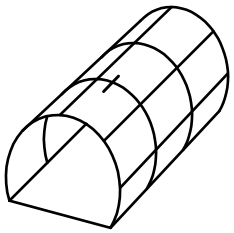

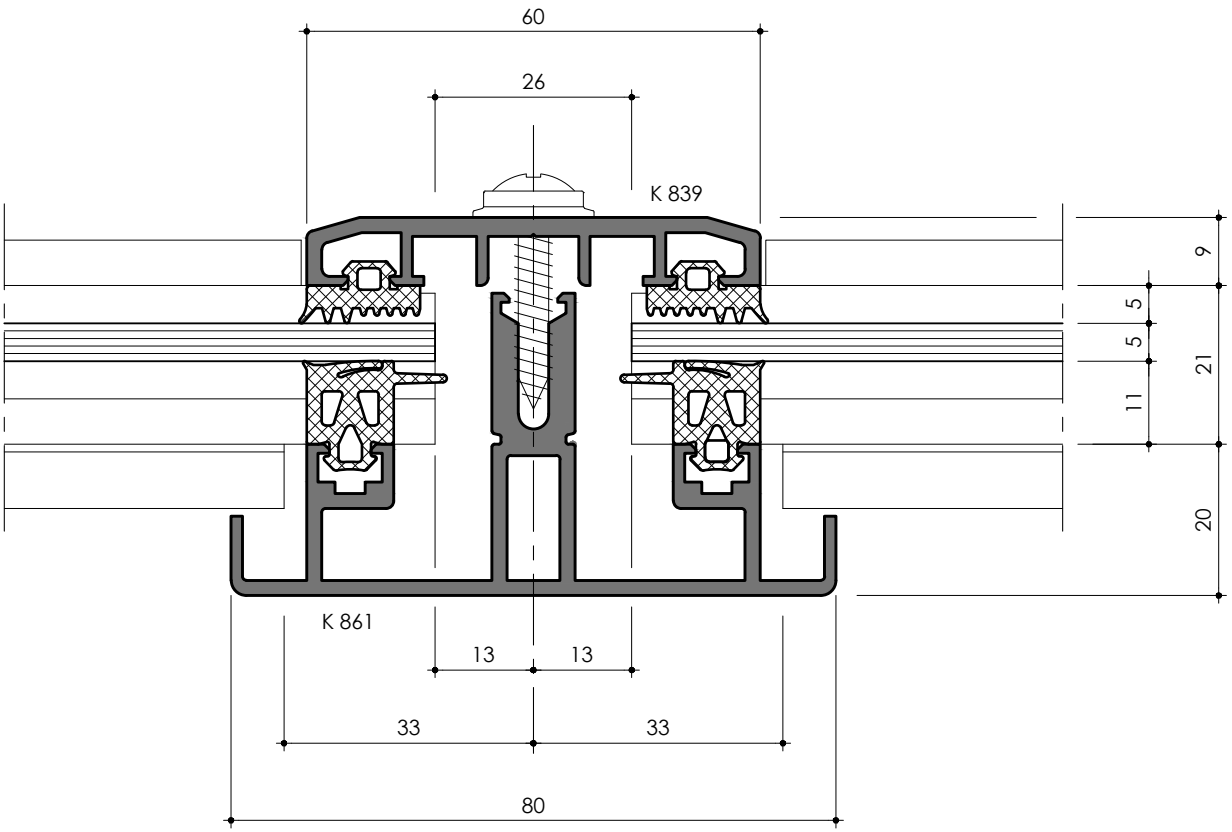
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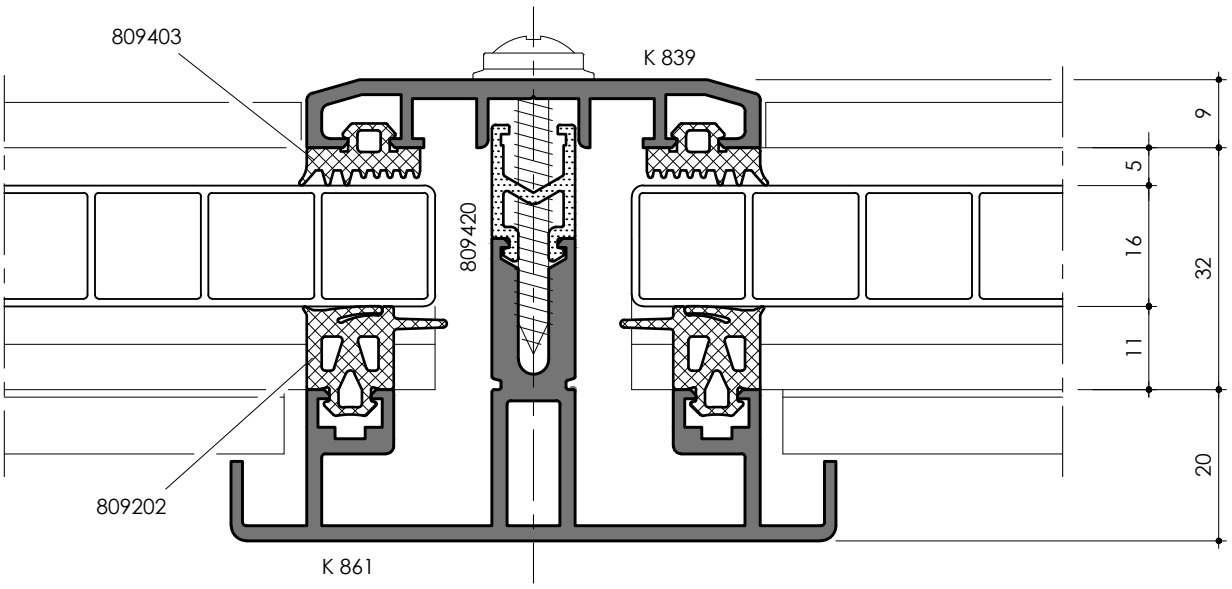
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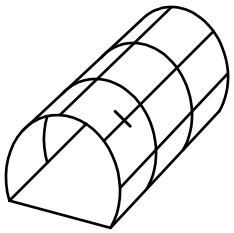

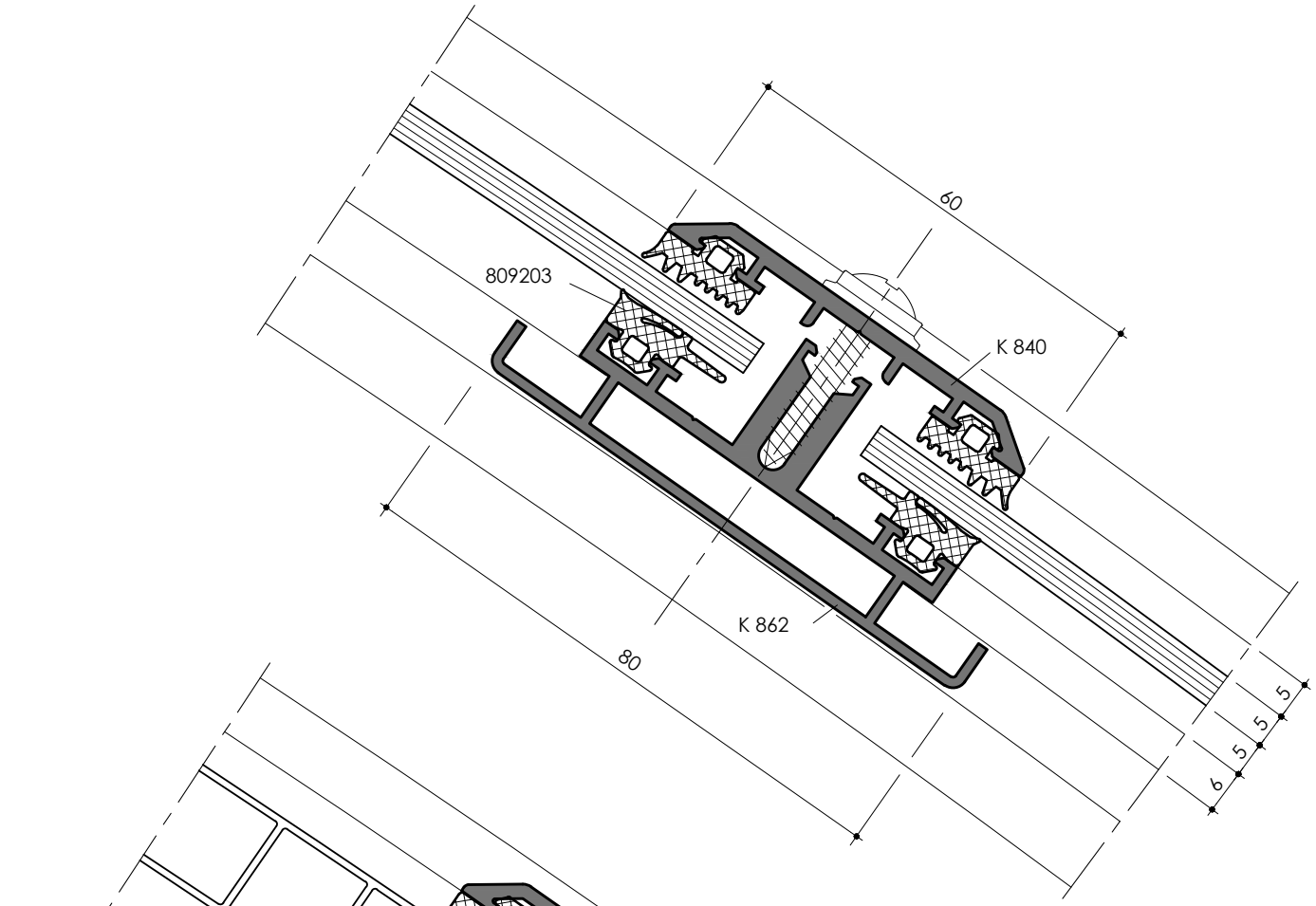
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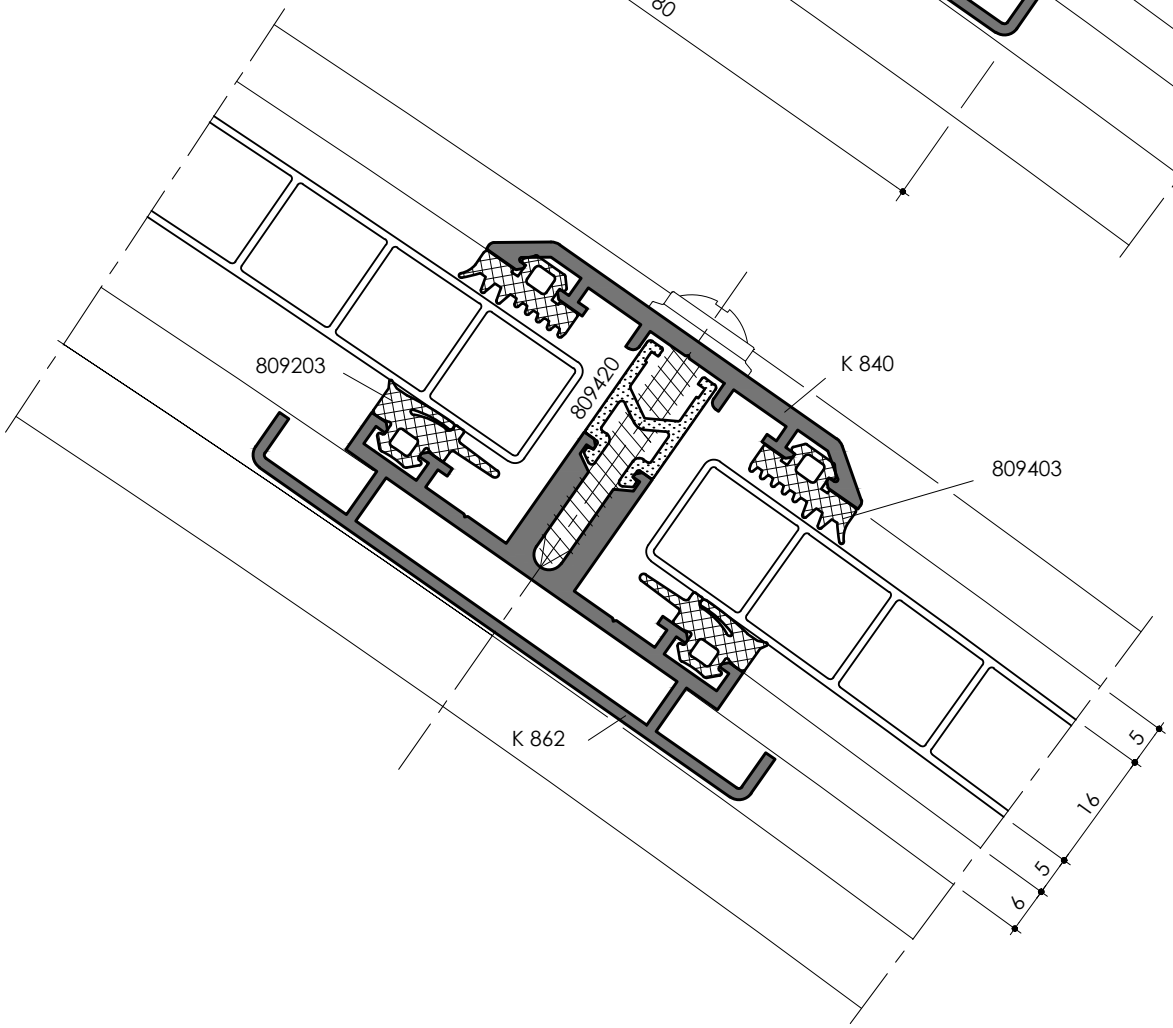
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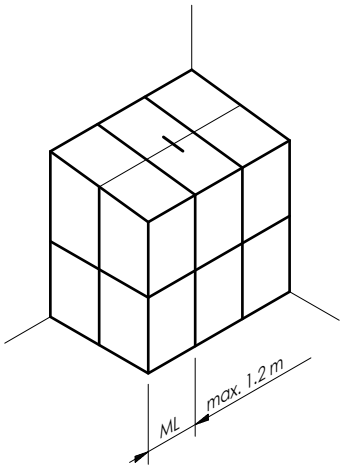
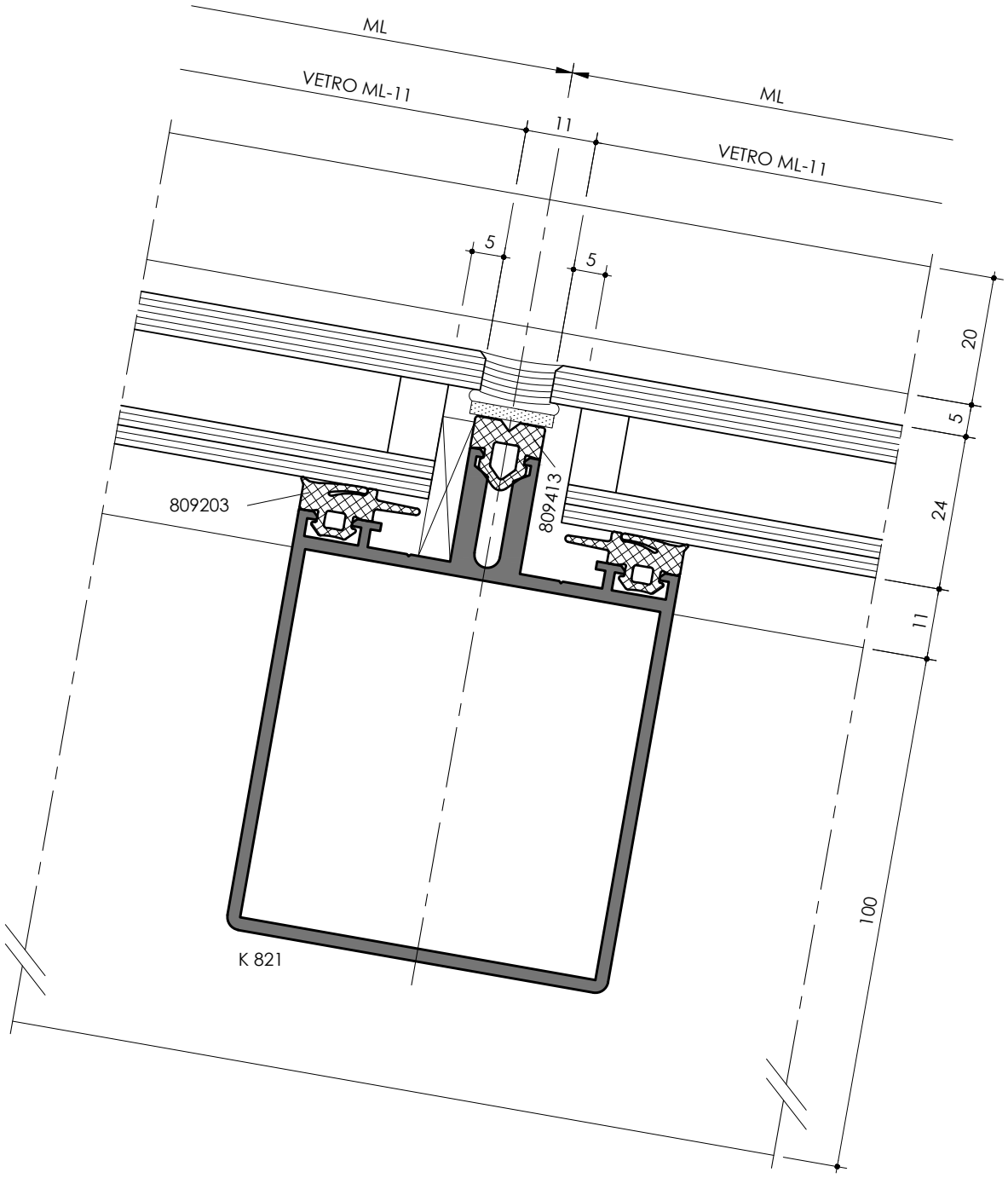
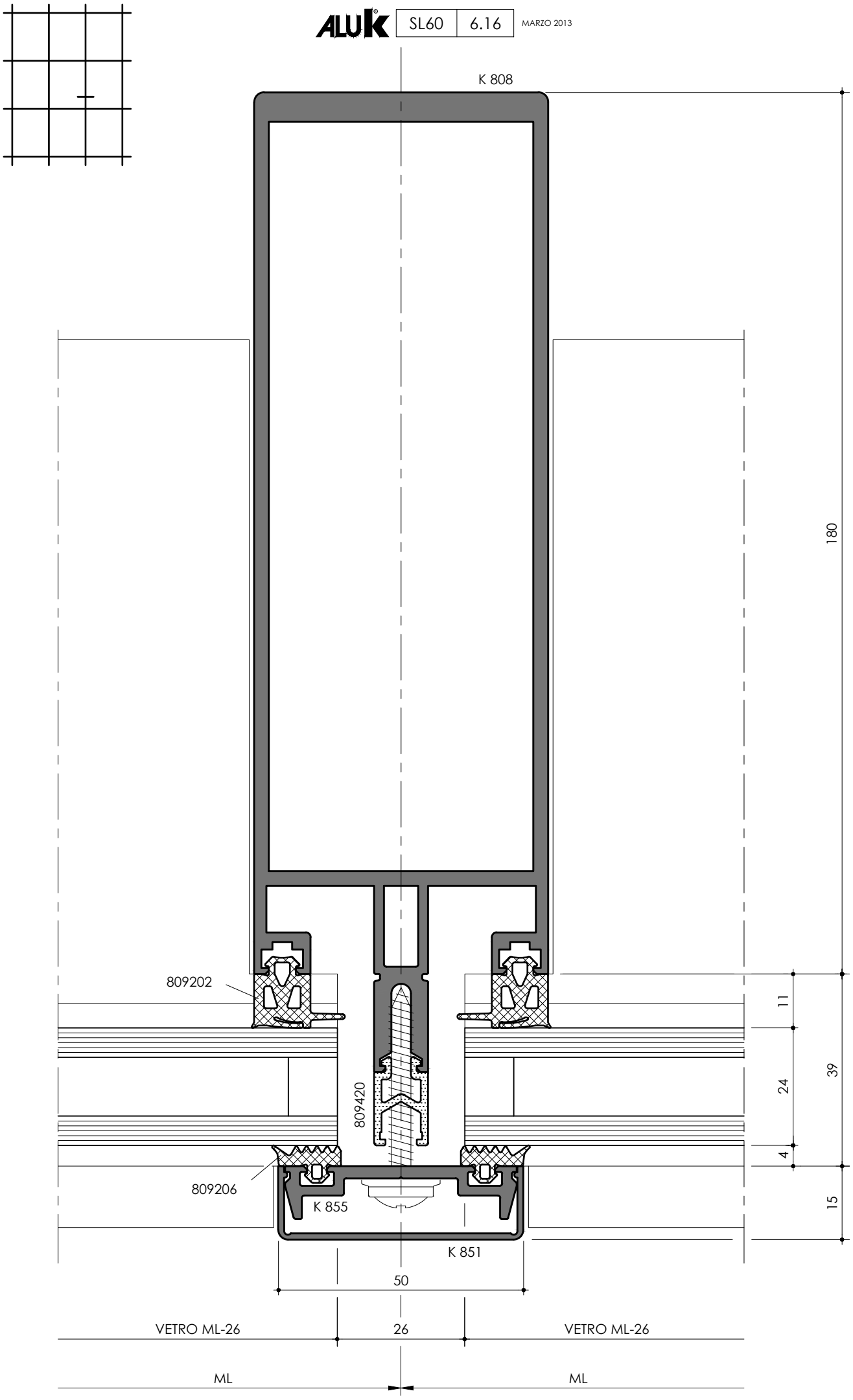


Il vetrocamera da impiegare in questa soluzione dovrà avere le lastre molate a filo.
La composizione dovra' essere eseguita utilizzando, per la sigillatura perimetrale delle due lastre, un idoneo sigillante siliconico resistente ai raggi U.V.
La sigillatura perimetrale tra vetrocamera e traversi della struttura dovrà essere eseguita con speciale sigillante siliconico compatibile con il sigillante utilizzato per la composizione del vetrocamera.
L'applicazione dovra' 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.

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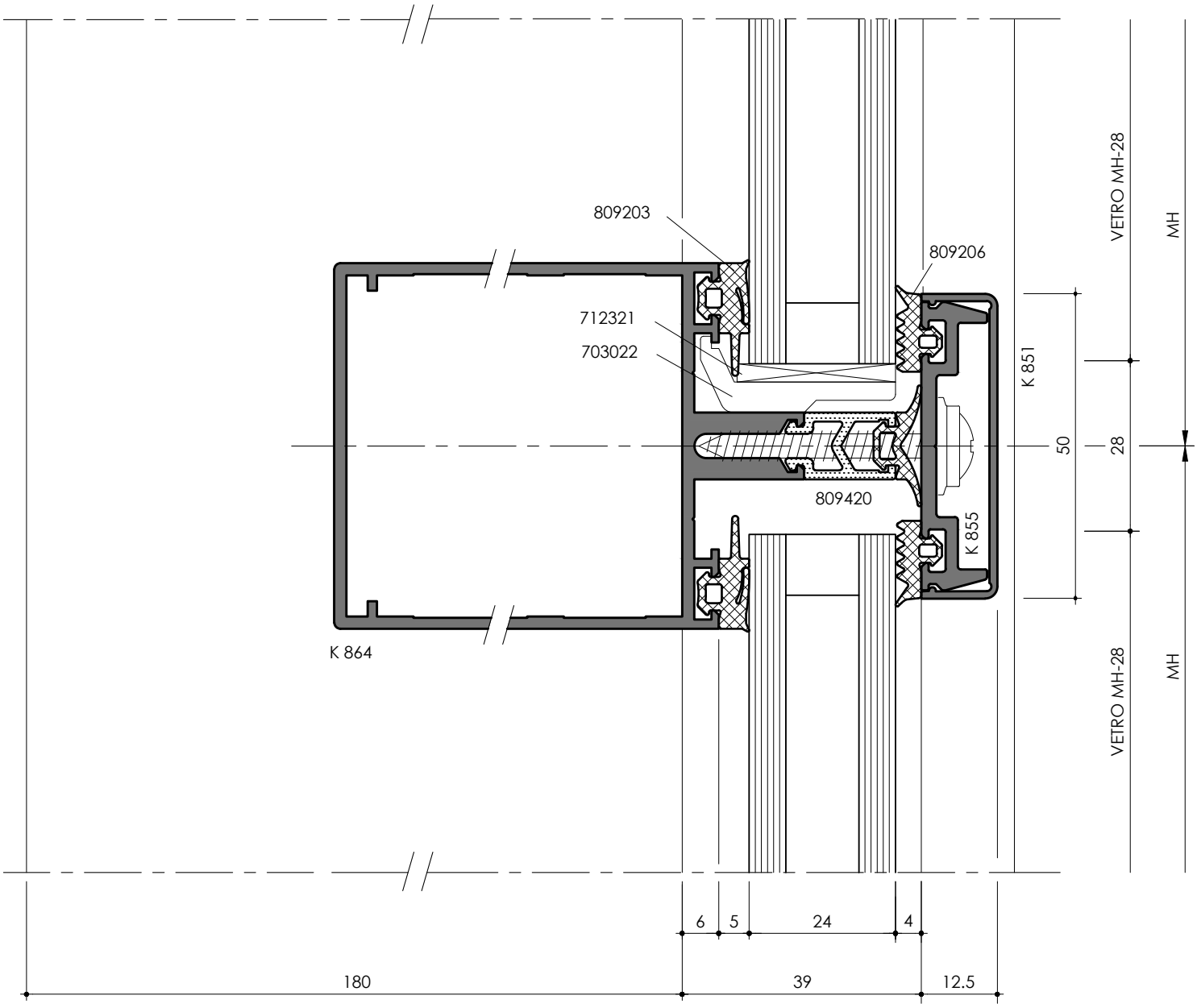
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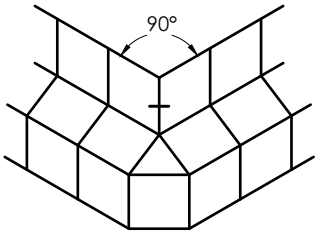
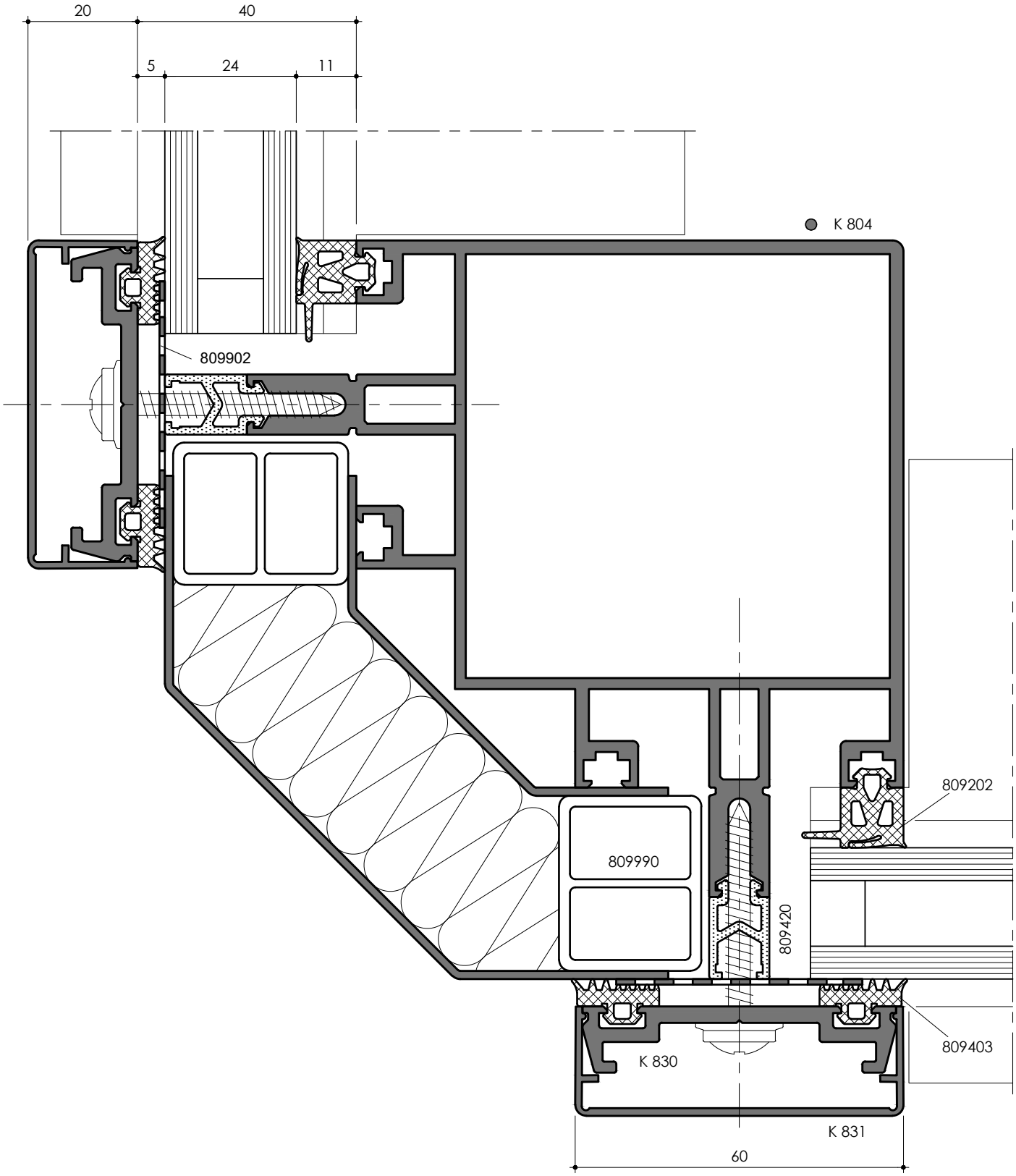
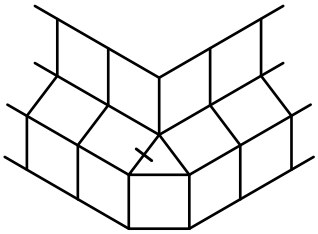


IN ESAURIMENTO
UNTIL STOCK IS FINISHED





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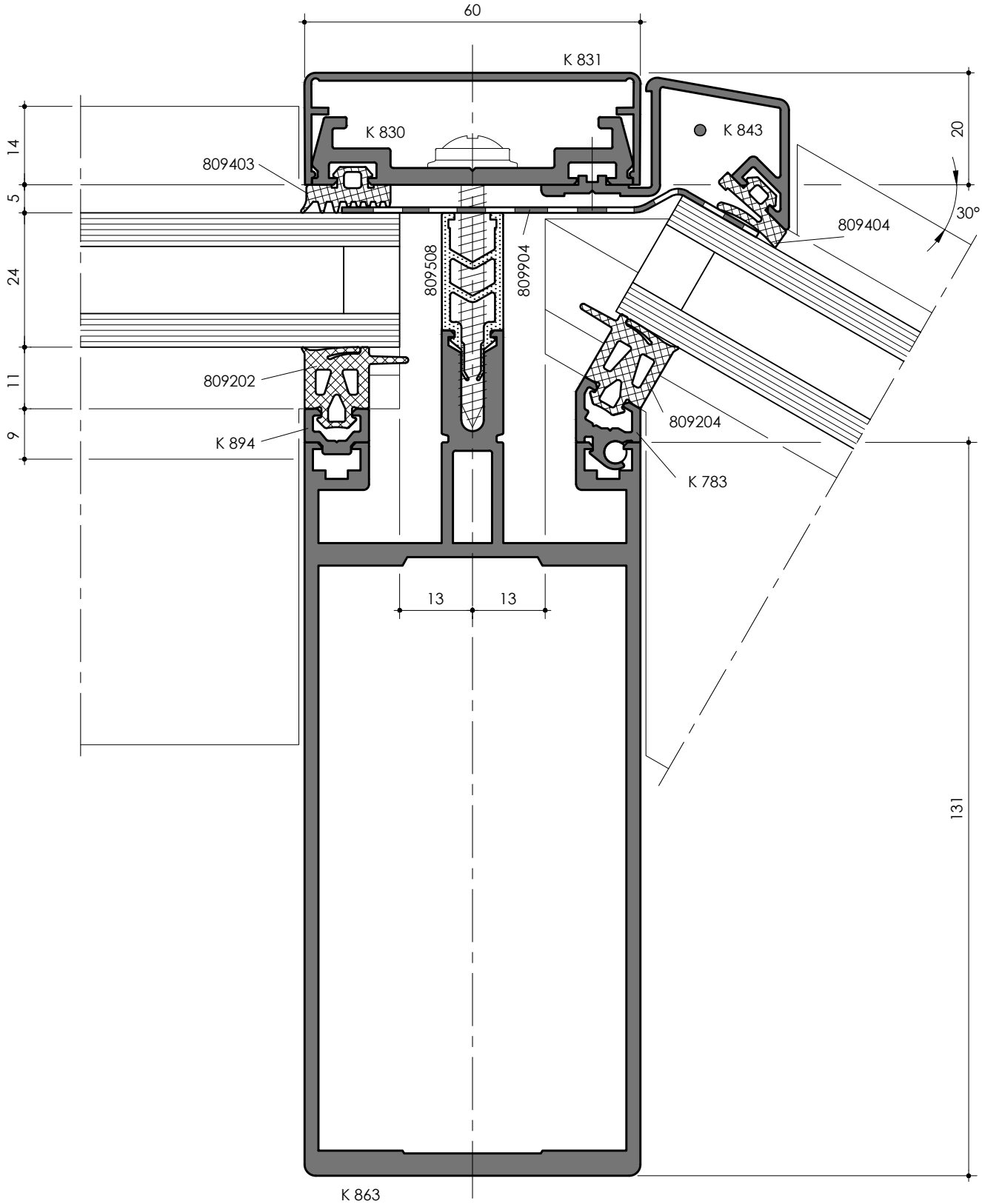

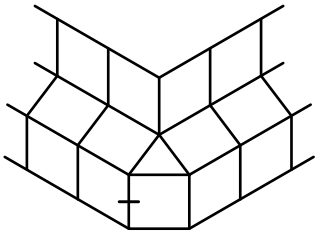

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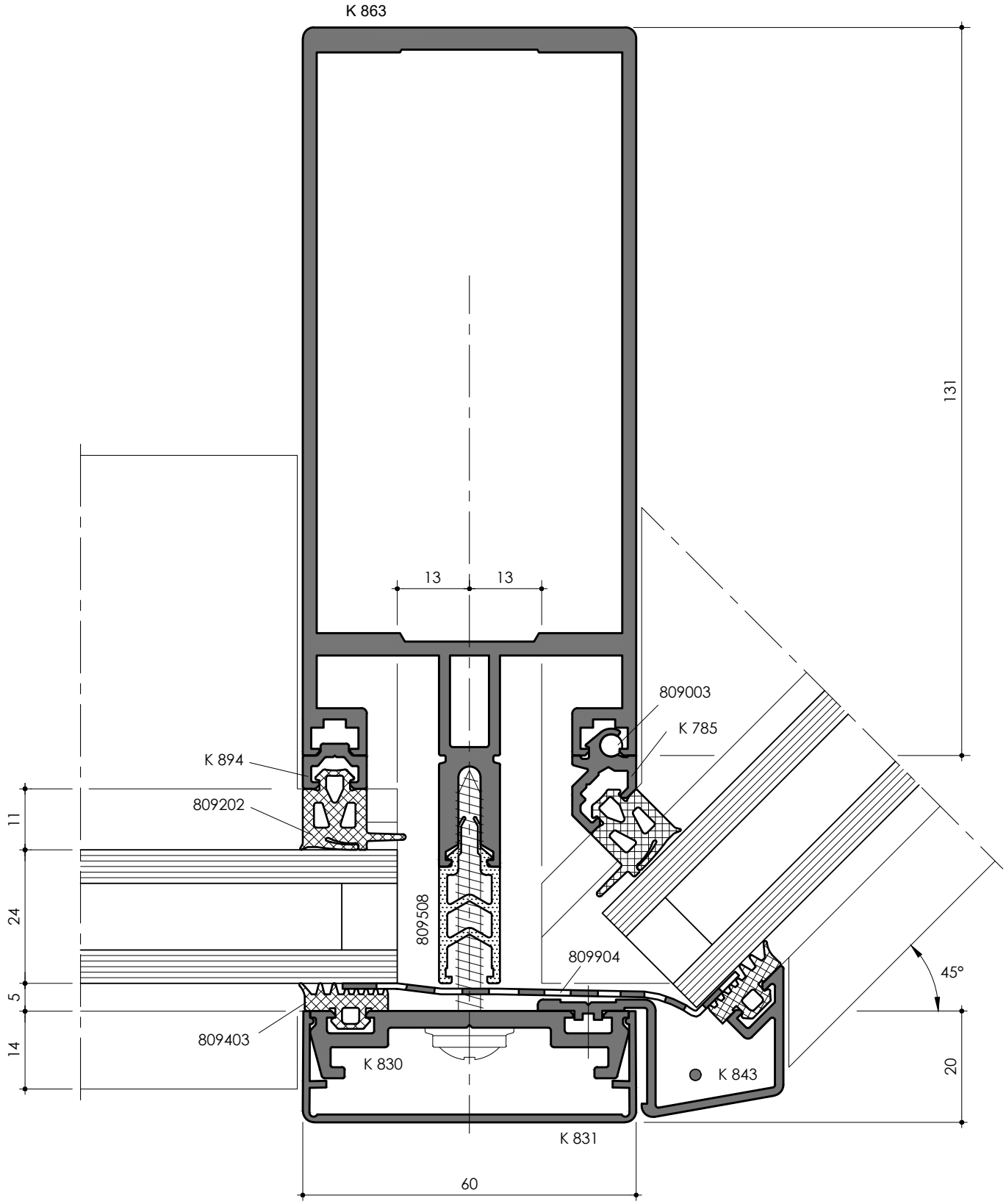
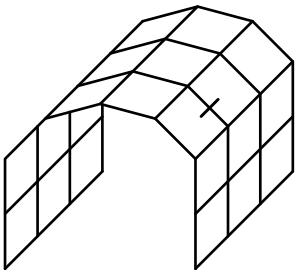
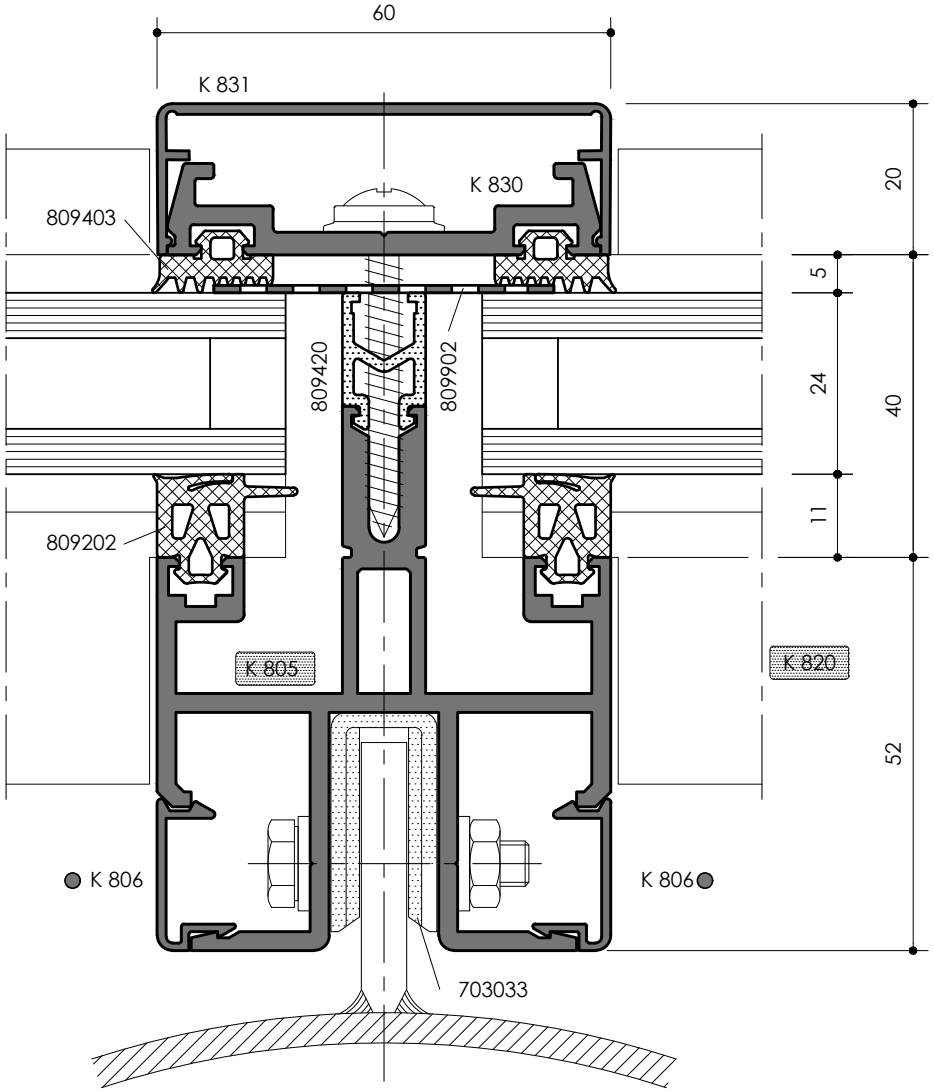
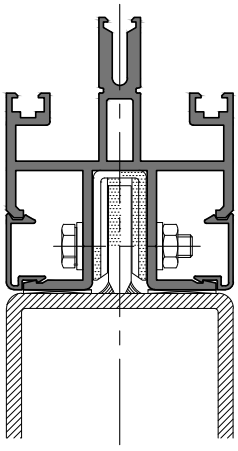




IN ESAURIMENTO
UNTIL STOCK IS FINISHED

GESTITO A RICHIESTA
AVAILABLE ON REQUEST

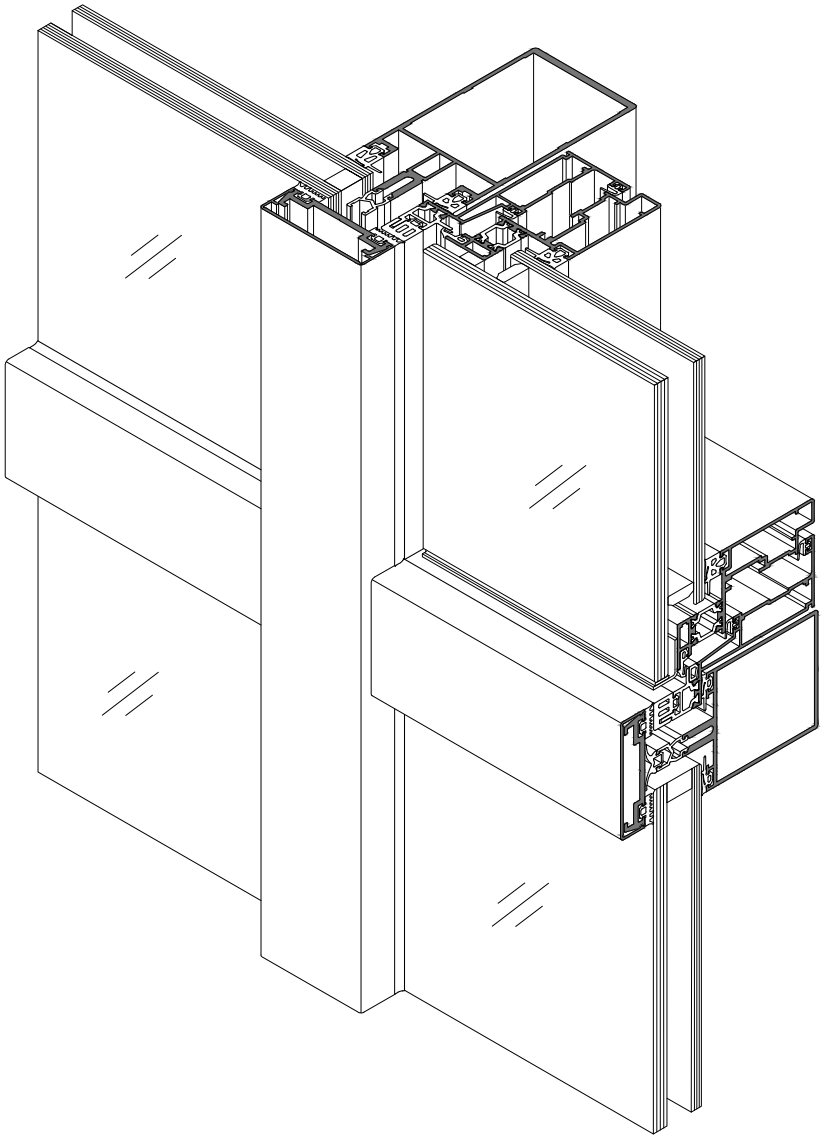


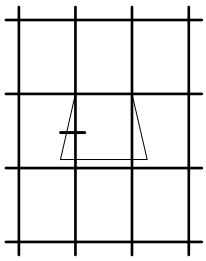


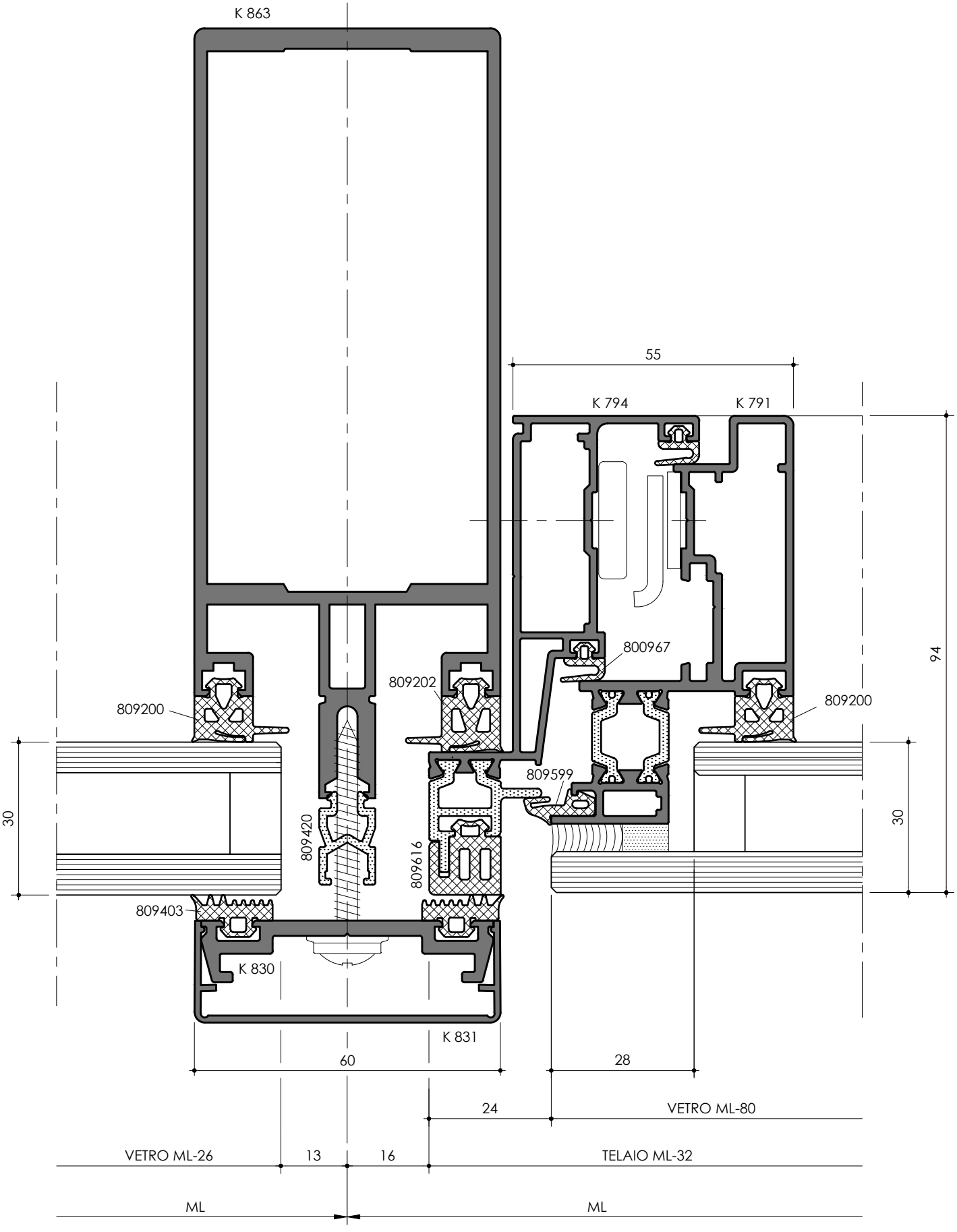
IL K 820 DEVE ESSERE UTILIZZATO SENZA MENSOLA E SENZA FLANGIA

K 820 MUST BE ASSEMBLED WITHOUT FLANGE AND BRACKET

ELEMENTI APRIBILI
OPENABLE PARTS



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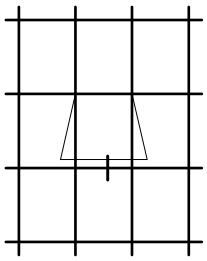
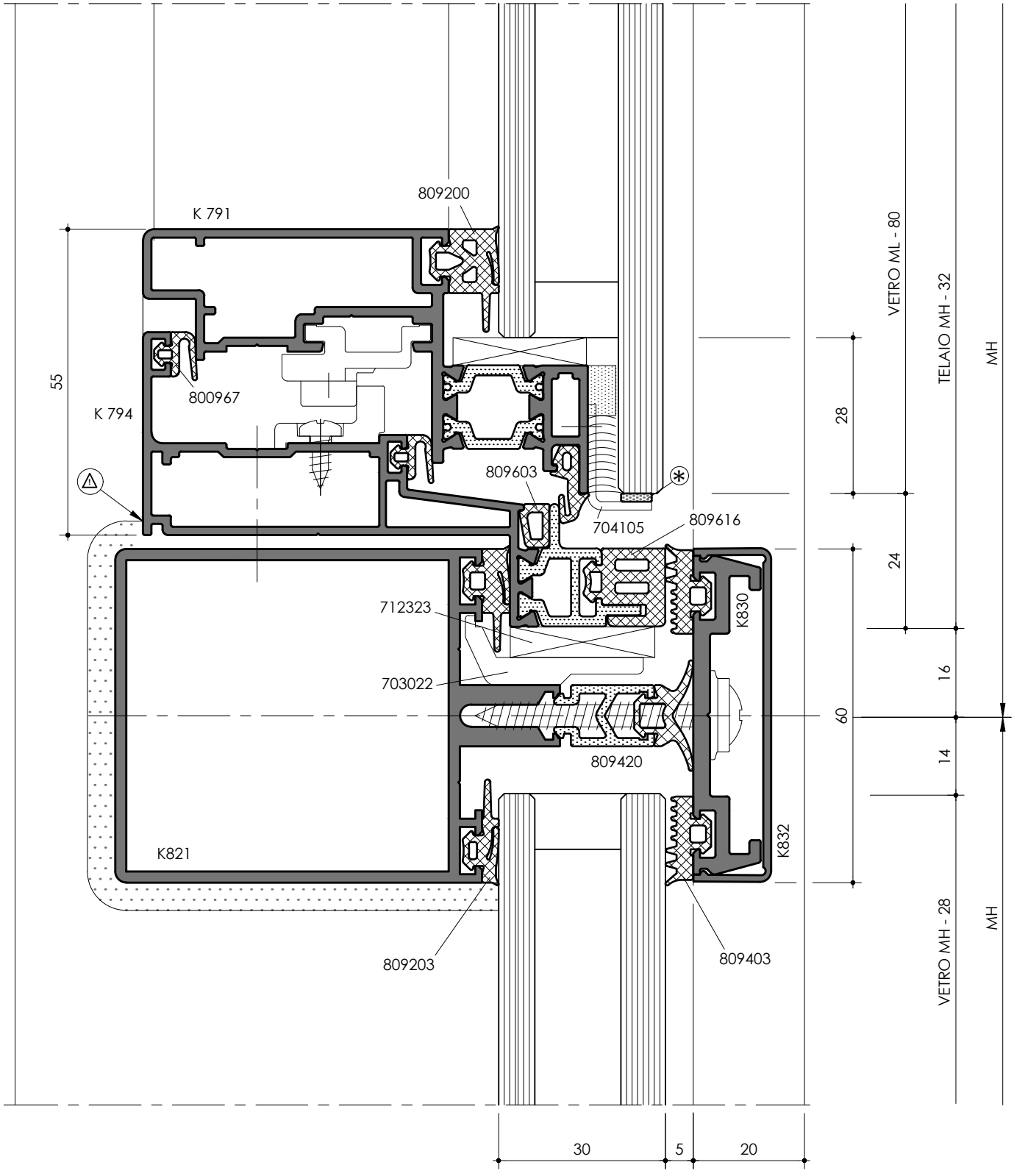


⚠ RIFILARE LA FLANGIA DI FINITURA TRAVERSO PER PERMETTERE L'INSERIMENTO DEL TELAIO

TRIM TRANSOM FINISHING FLANGE TO ALLOW FRAME INSERTION



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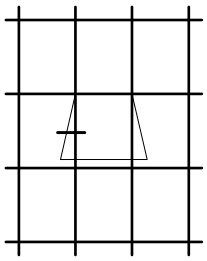
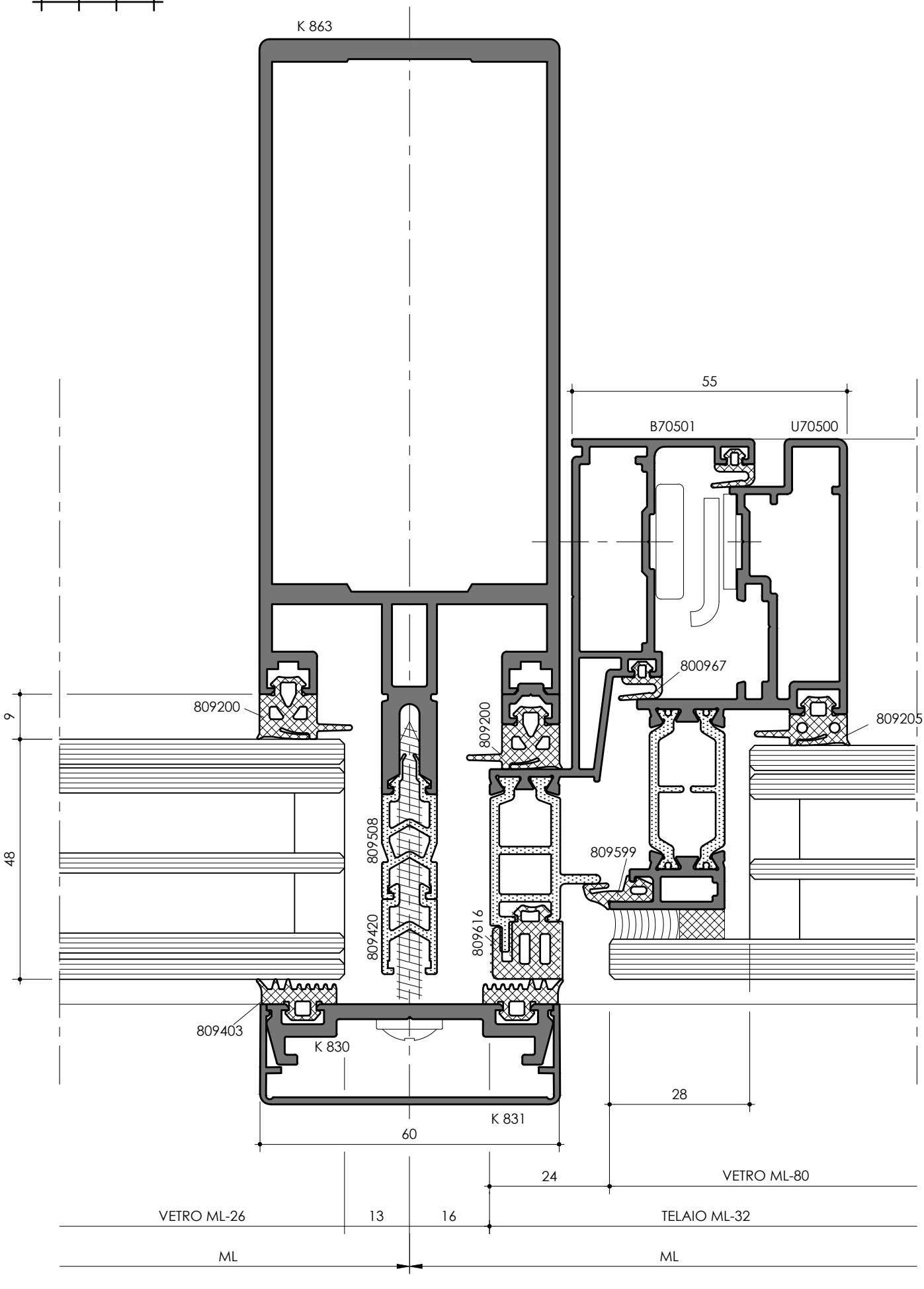
NOT SUPPLIED BY ALUK

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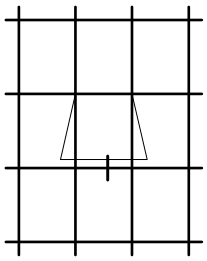

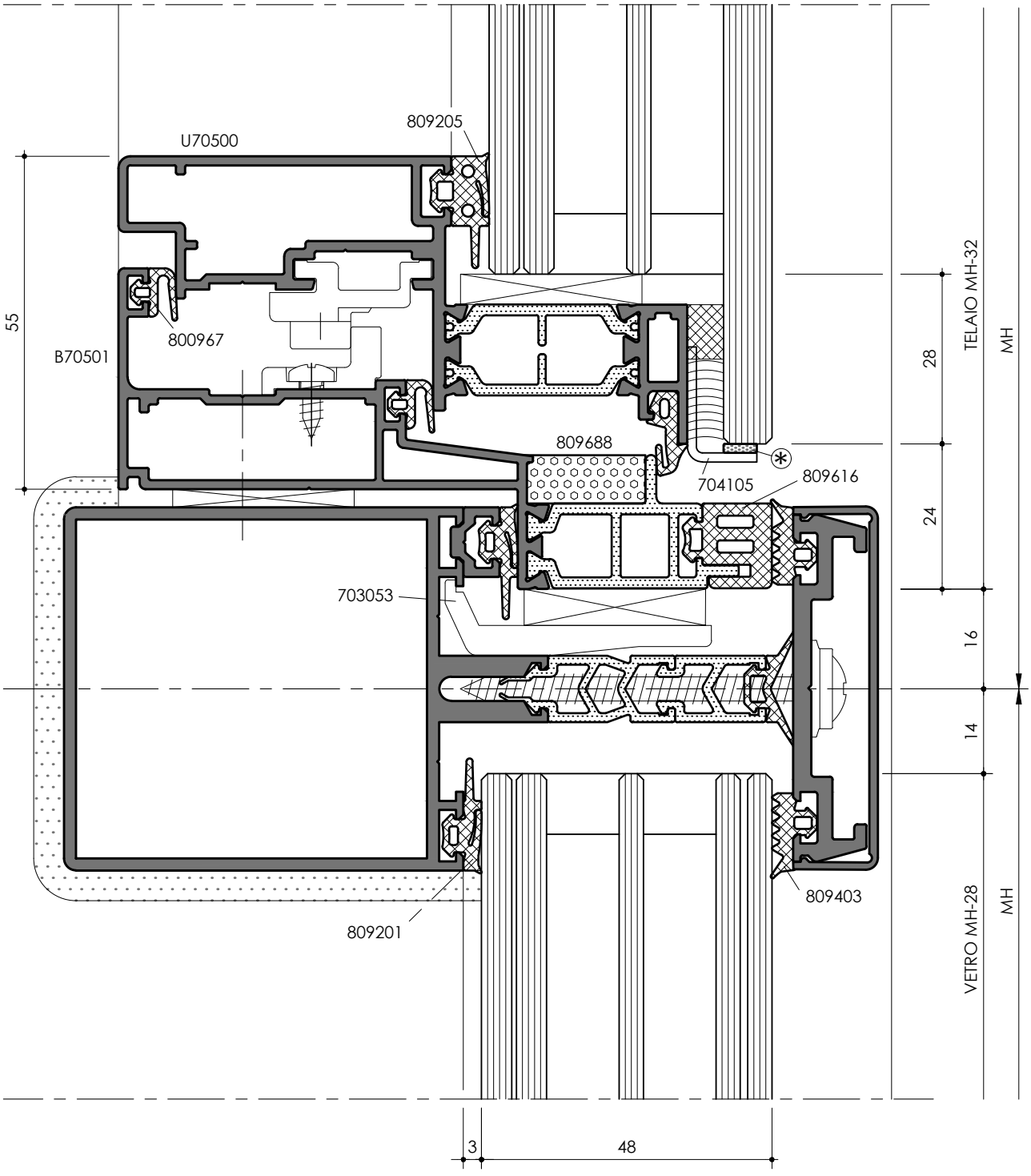

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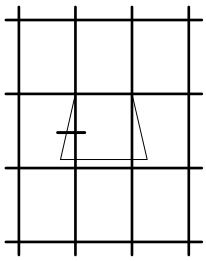

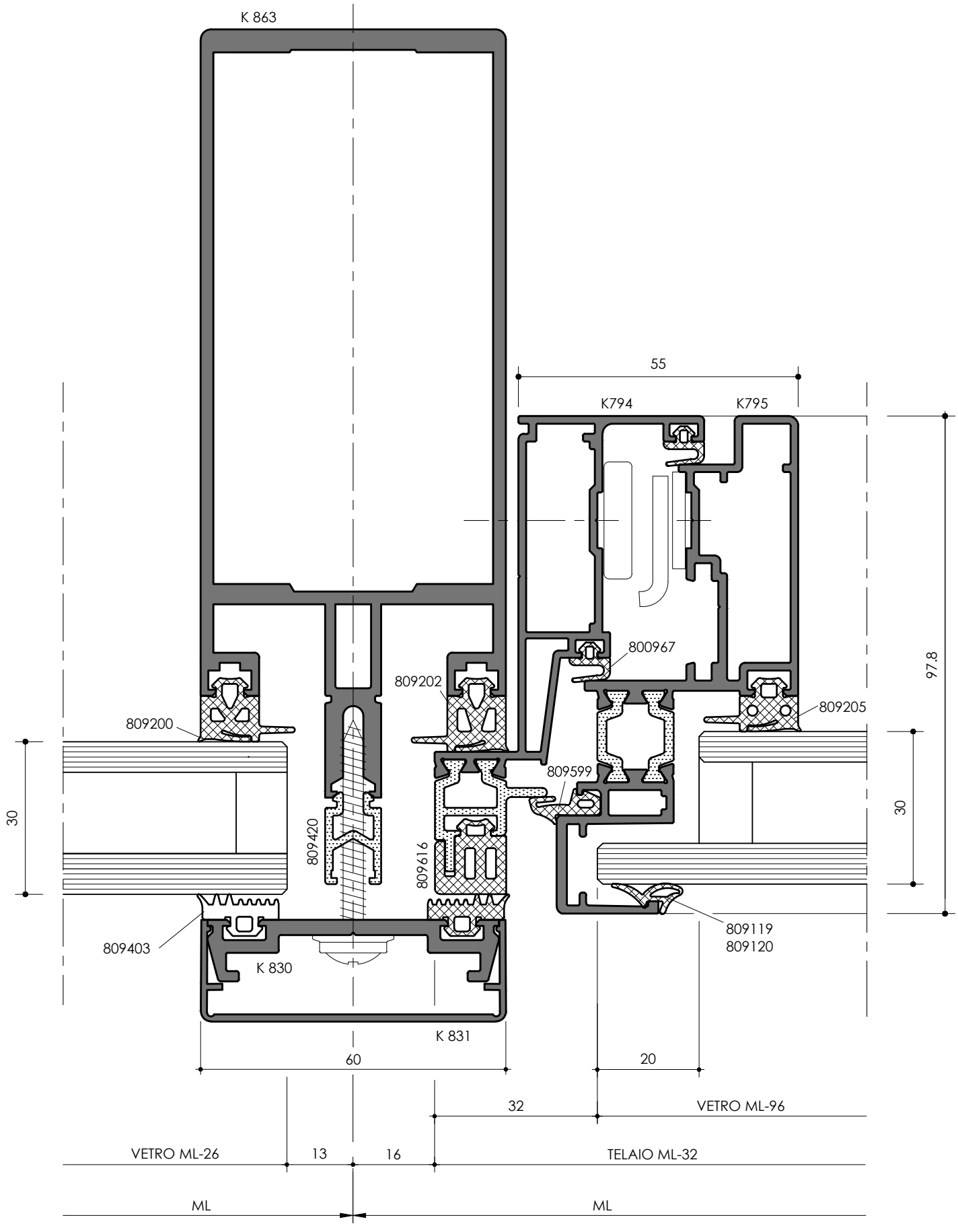
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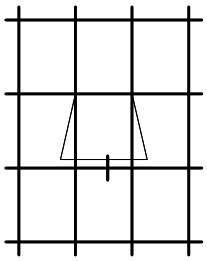
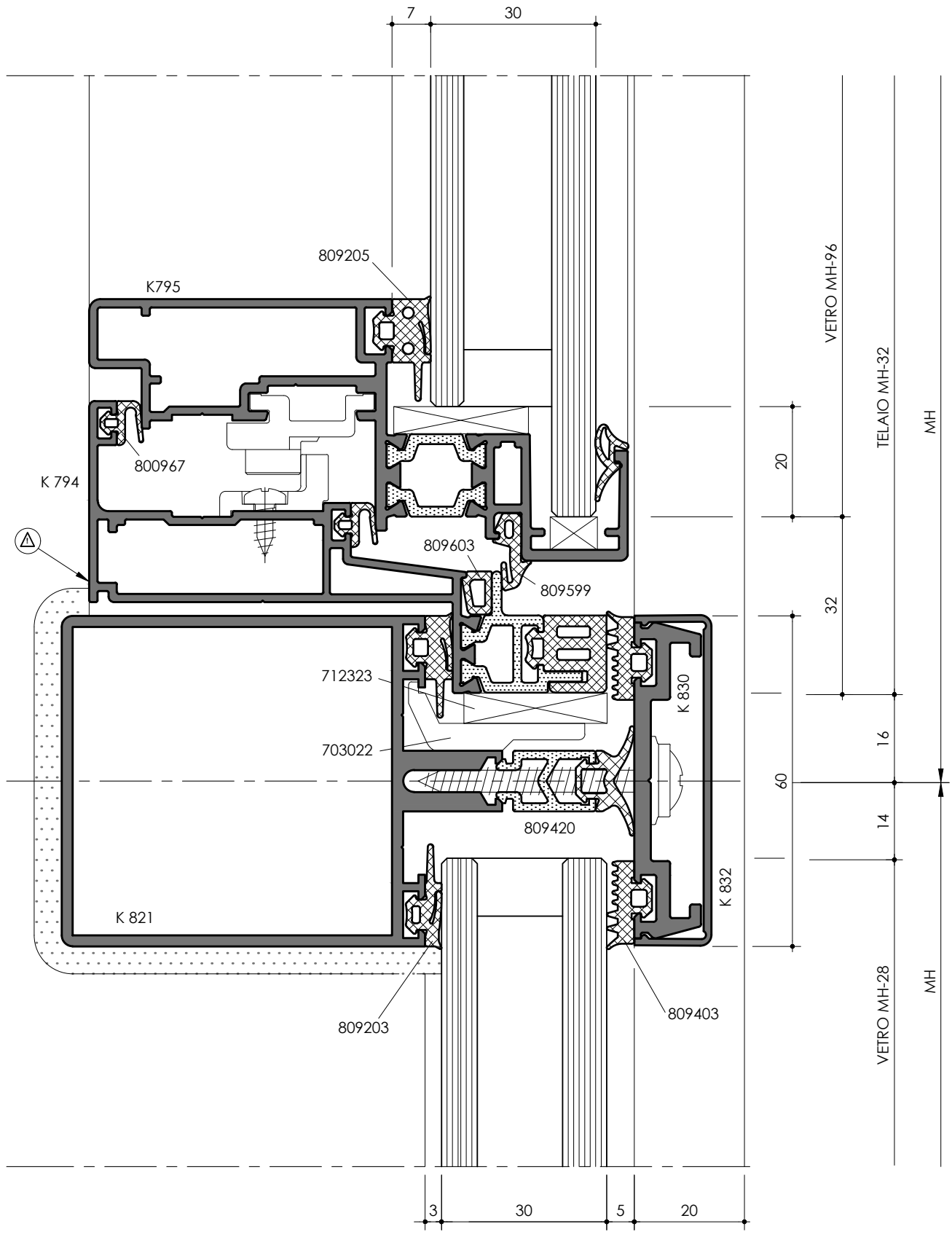


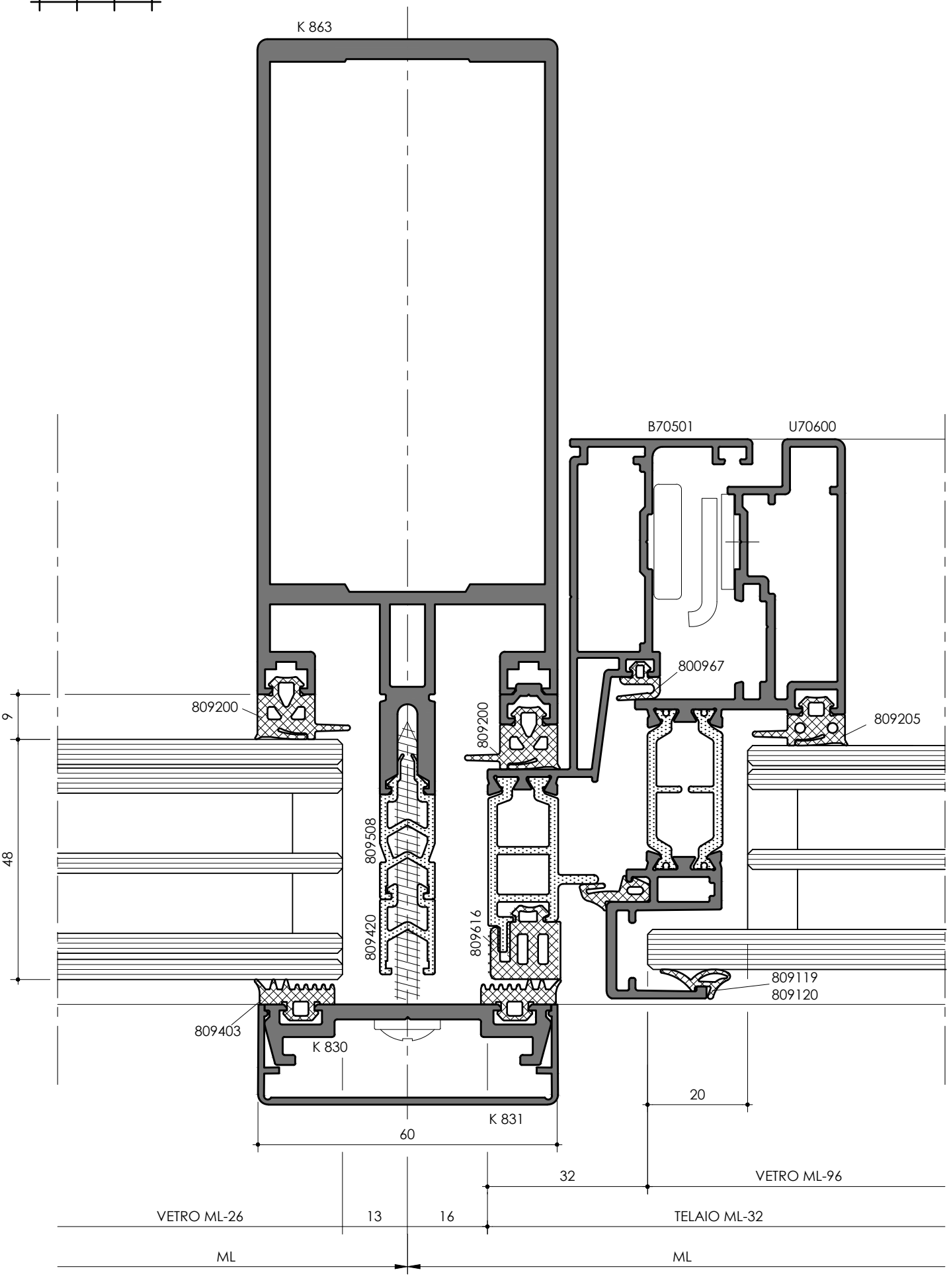
⚠ RIFILARE LA FLANGIA DI FINITURA TRAVERSO PER PERMETTERE L'INSERIMENTO DEL TELAIO

TRIM TRANSOM FINISHING FLANGE TO ALLOW FRAME INSERTION



⊛ NON FORNITO DA ALUK
NOT SUPPLIED BY ALUK

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



Sconsigliato l'utilizzo dei bracci cod. 704161
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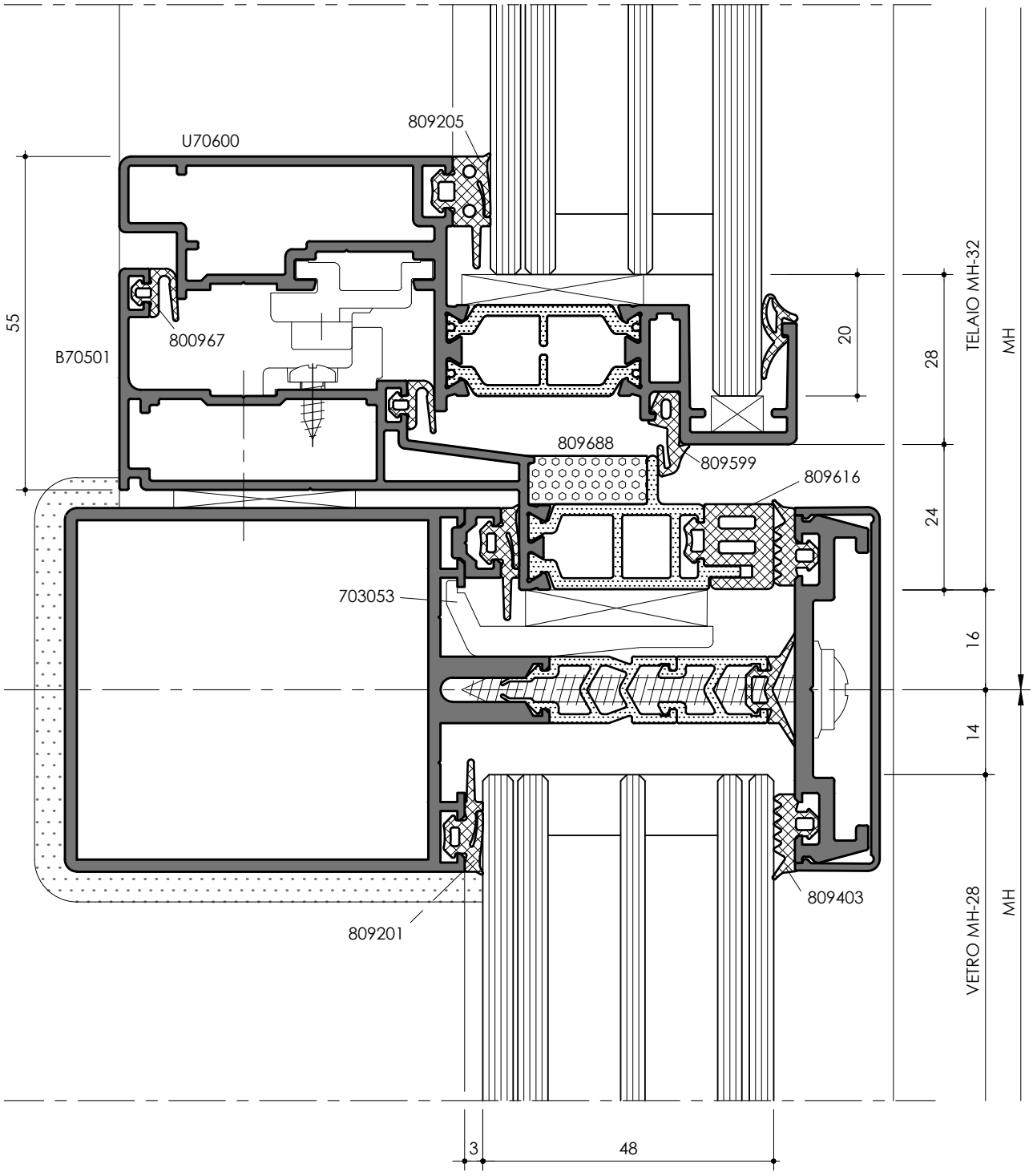

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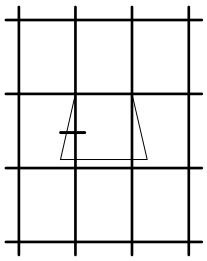
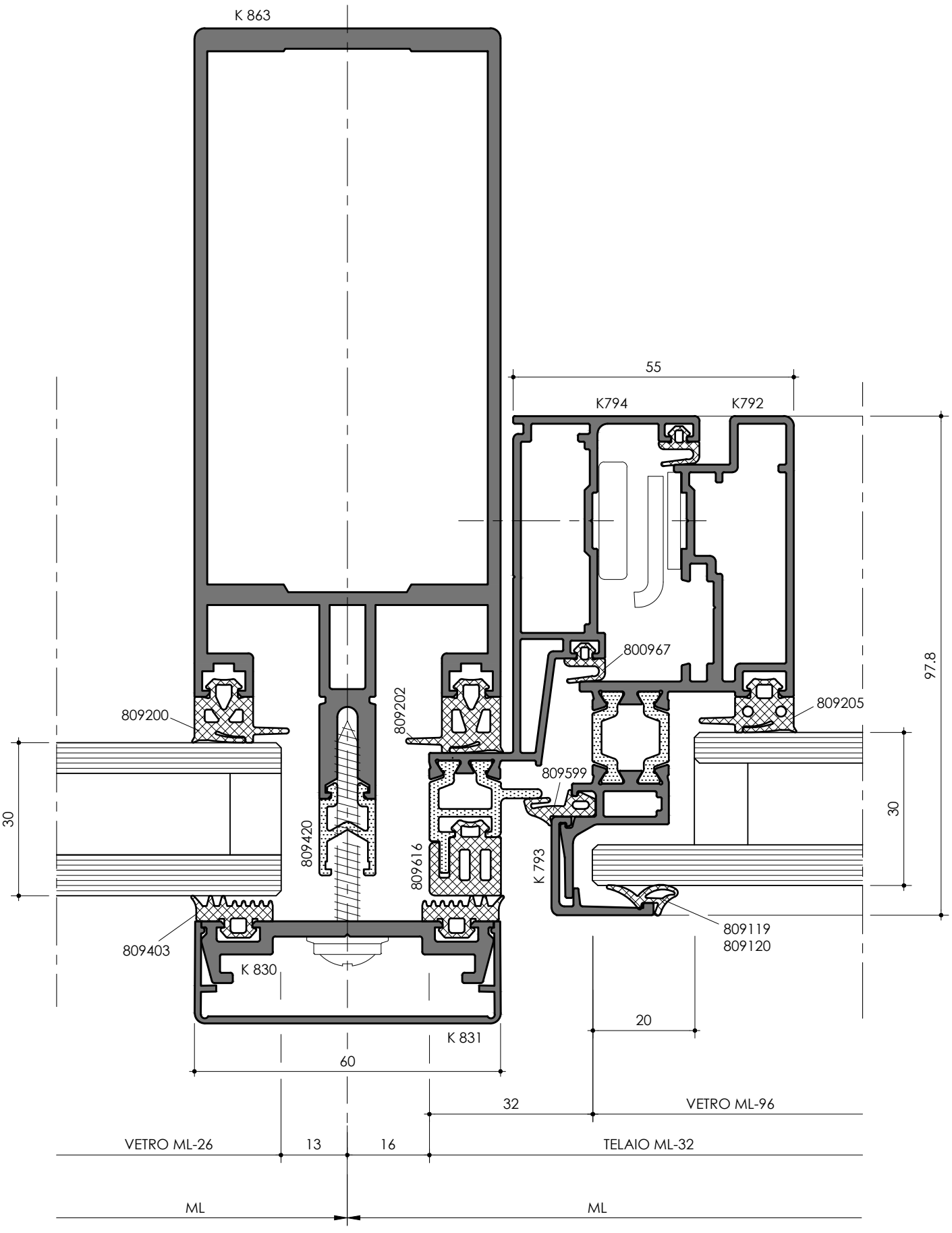
NOT SUPPLIED BY ALUK

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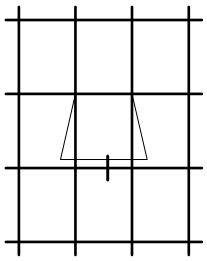
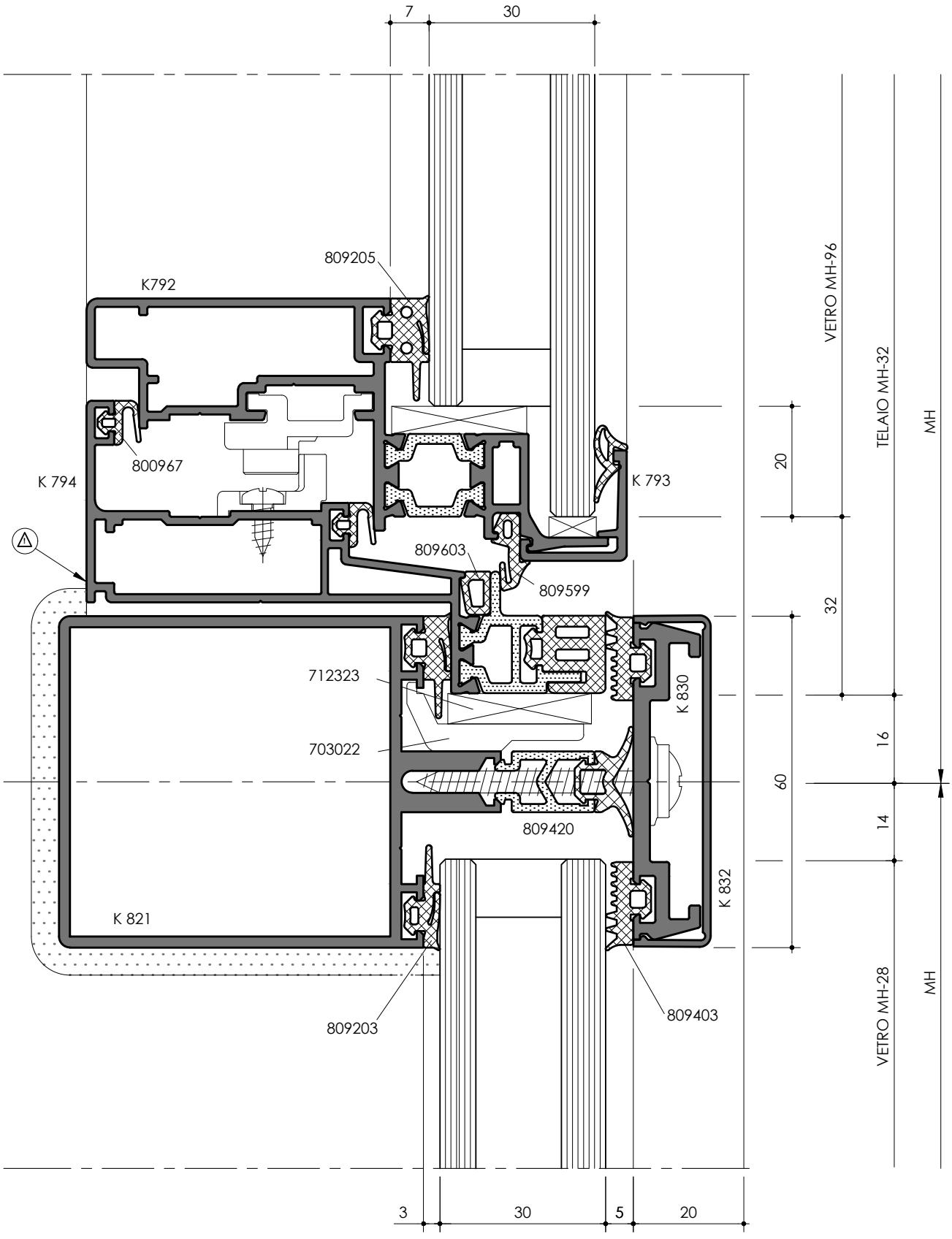


⚠ RIFILARE LA FLANGIA DI FINITURA TRAVERSO PER PERMETTERE L'INSERIMENTO DEL TELAIO

TRIM TRANSOM FINISHING FLANGE TO ALLOW FRAME INSERTION



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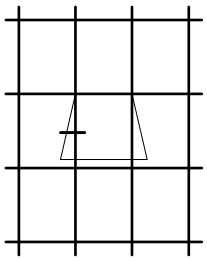
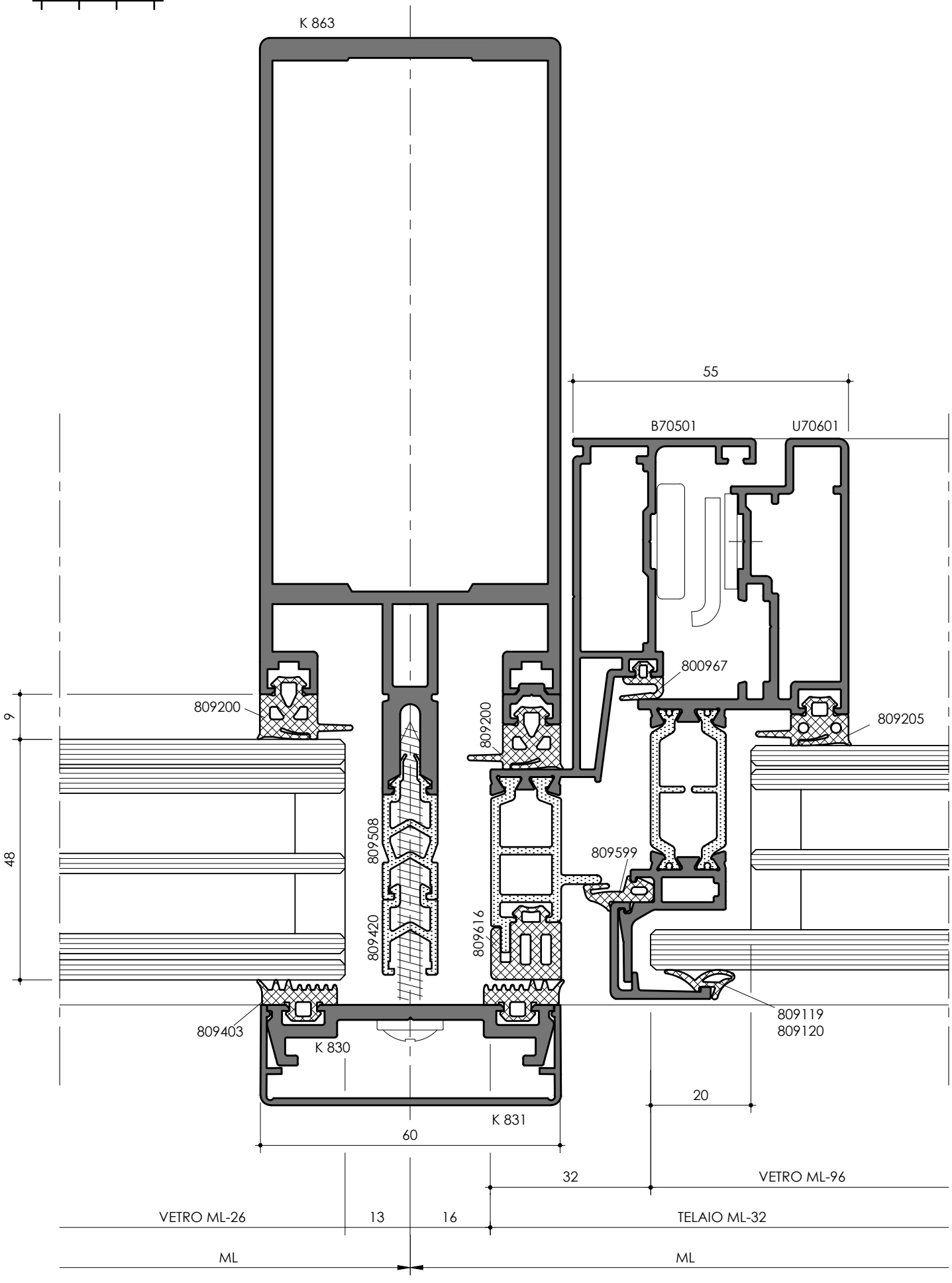
NOT SUPPLIED BY ALUK

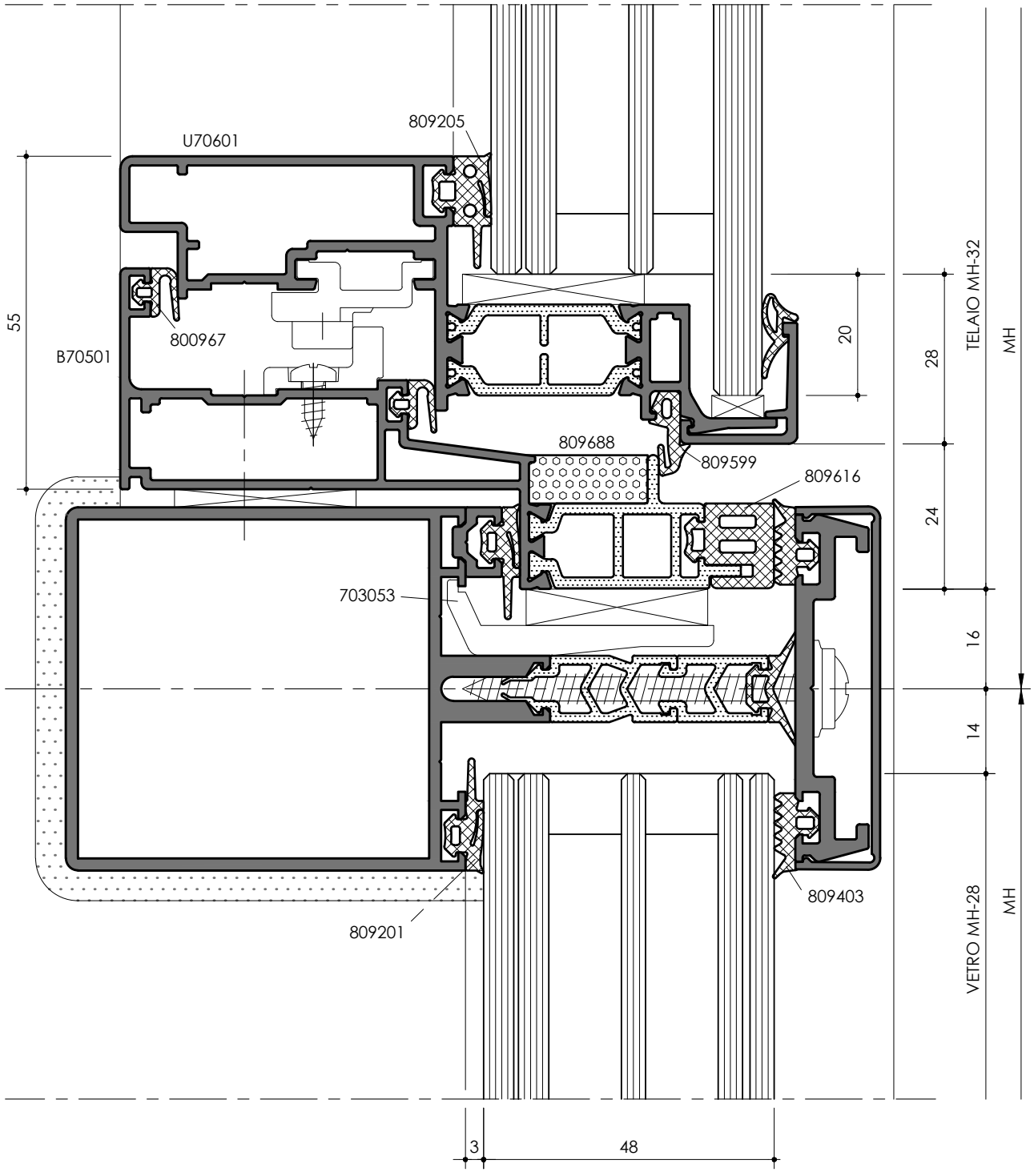


Sconsigliato l'utilizzo dei bracci cod. 704161

The use of the 704161 arm is not raccomanded

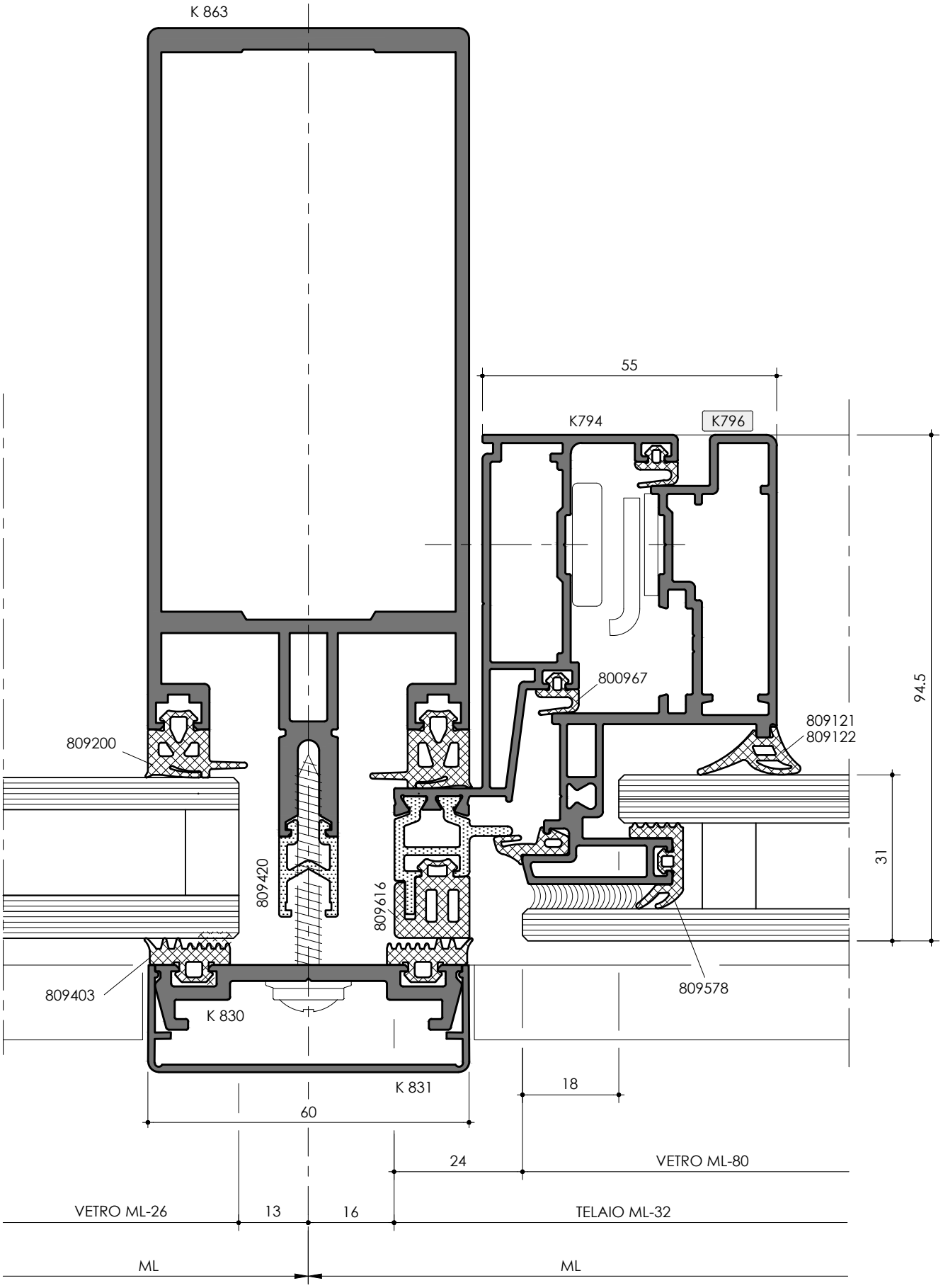


Sconsigliato l'utilizzo dei bracci cod. 704161
The use of the 704161 arm is not raccomanded



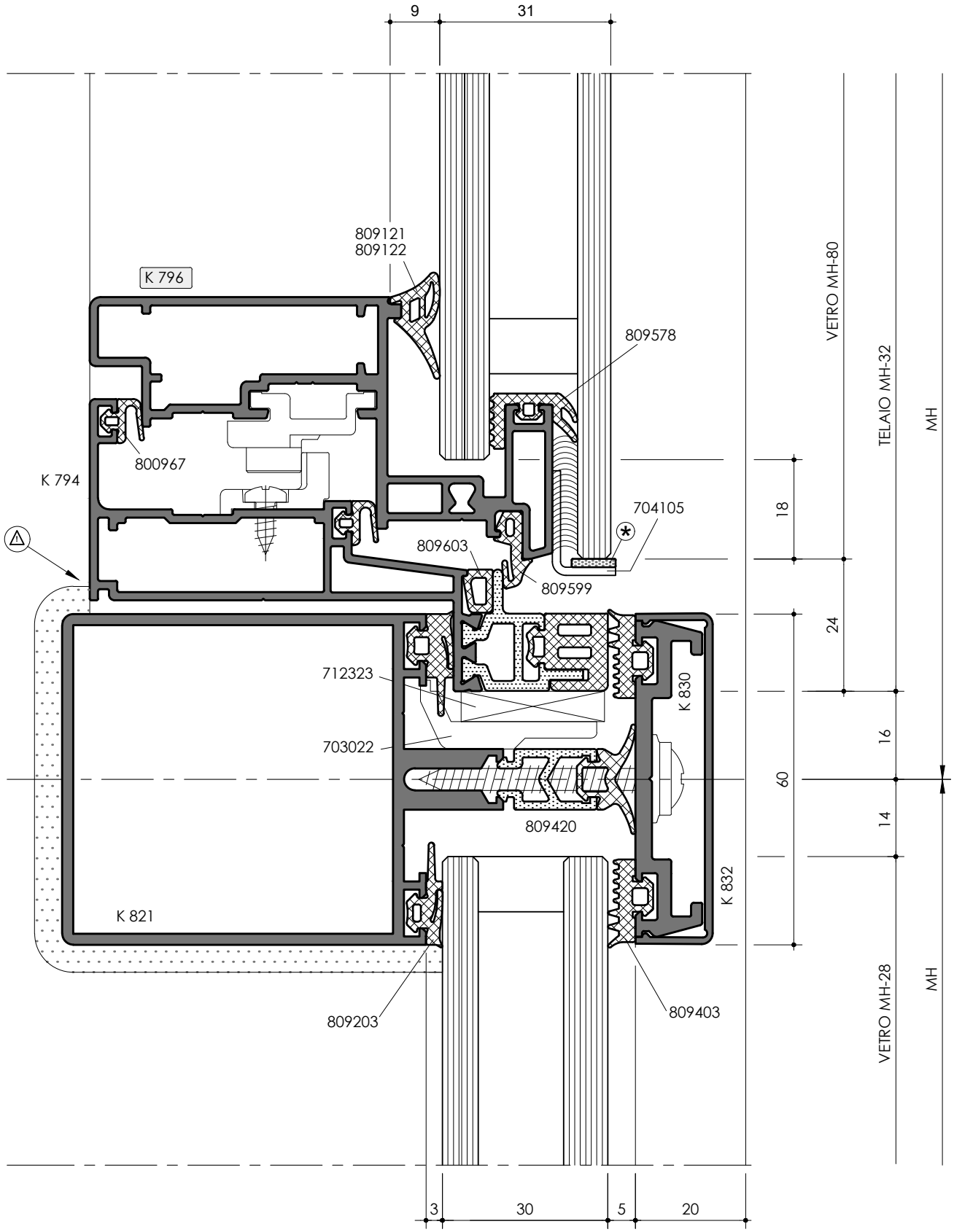
Ⓐ NON FORNITO DA ALUK
NOT SUPPLIED BY ALUK

A RICHIESTA
AVAILABLE ON REQUEST

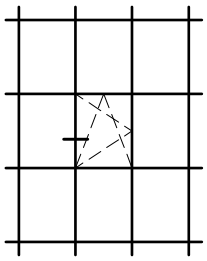


⚠ RIFILARE LA FLANGIA DI FINITURA TRAVERSO PER PERMETTERE L'INSERIMENTO DEL TELAIO

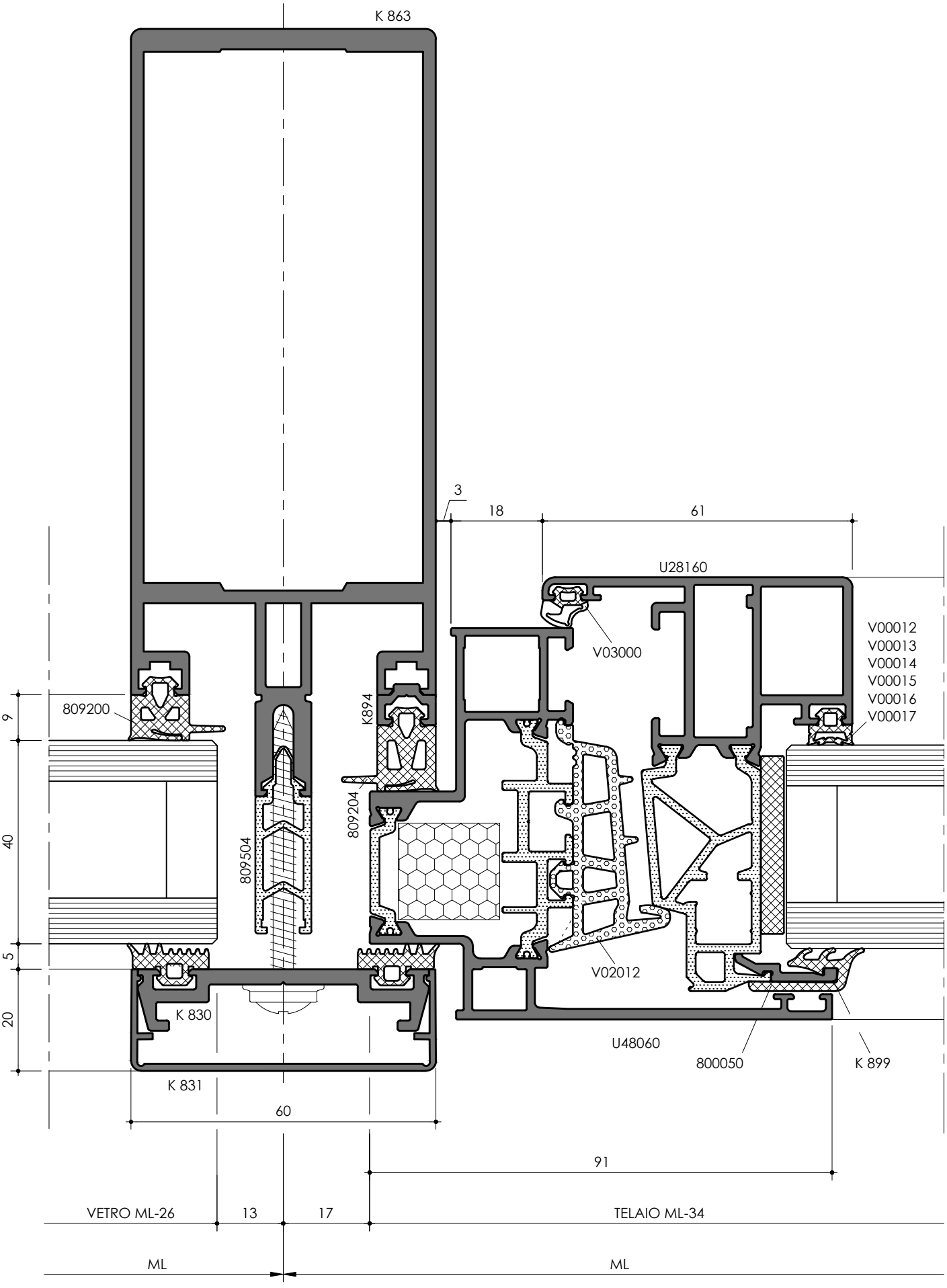
TRIM TRANSOM FINISHING FLANGE TO ALLOW FRAME INSERTION



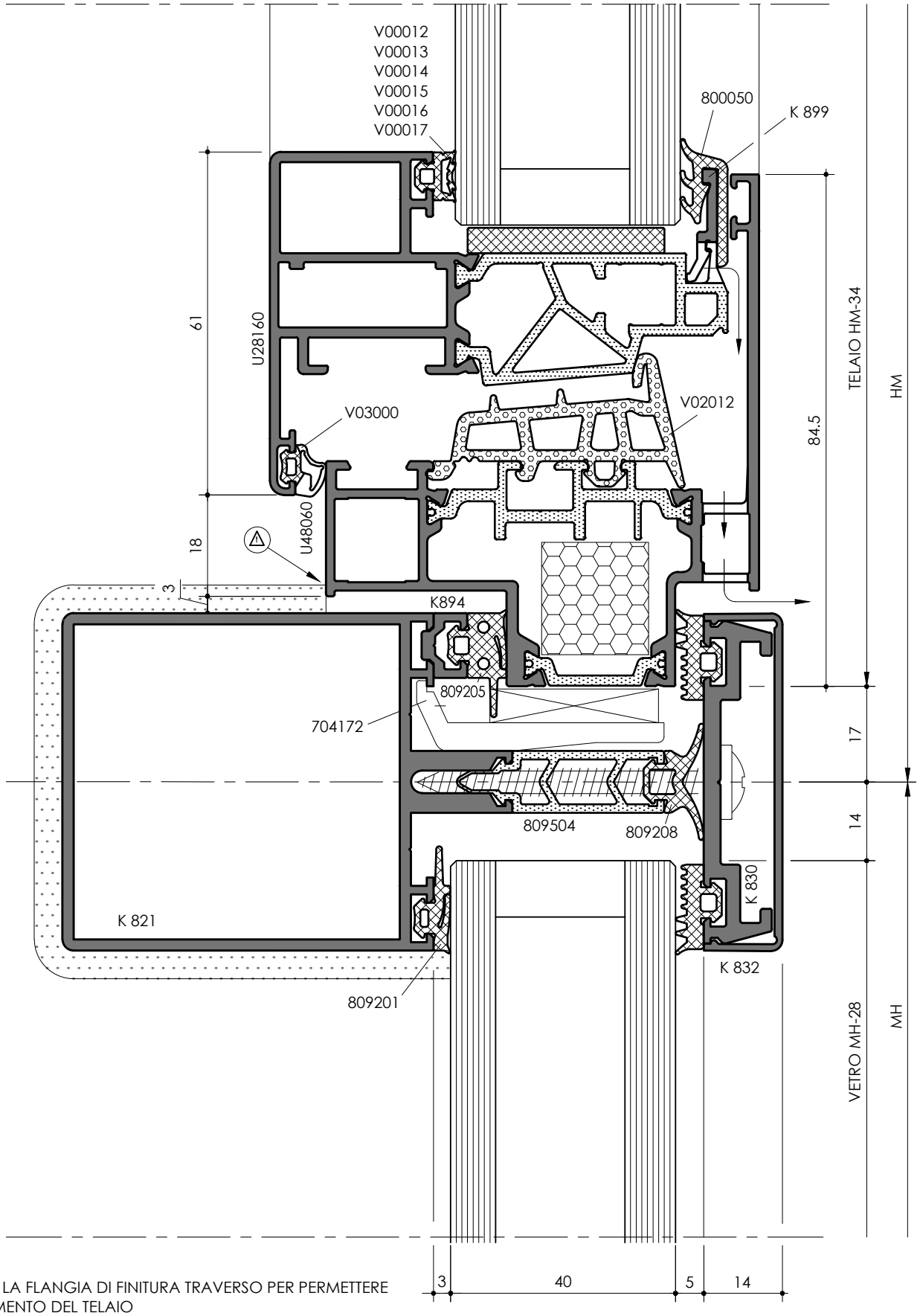
⊛ NON FORNITO DA ALUK
NOT SUPPLIED BY ALUK



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



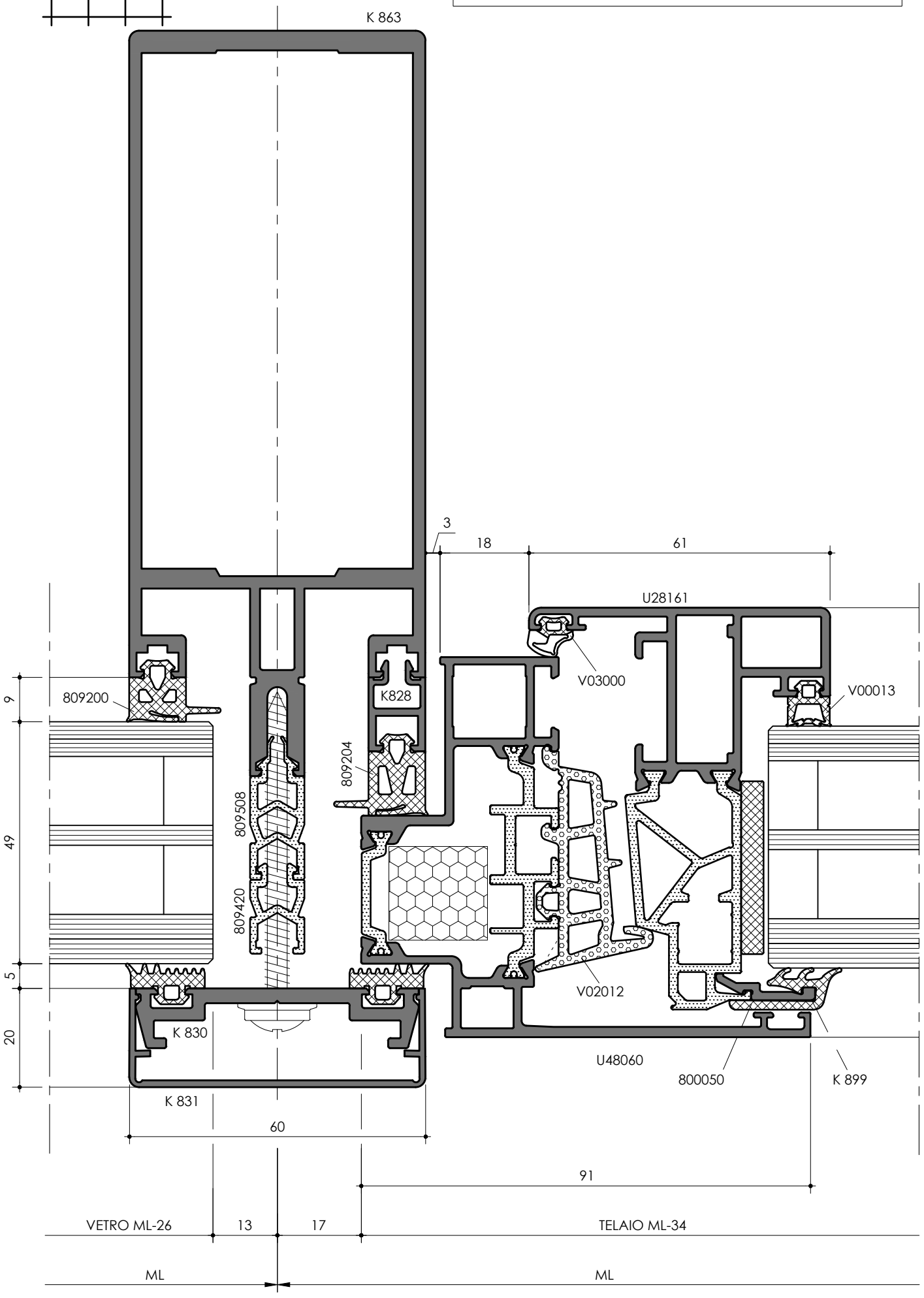
PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C77K-CS**
*FOR WINDOWS MACHININGS **SEE** ALUK **C77K-CS CATALOGUE***



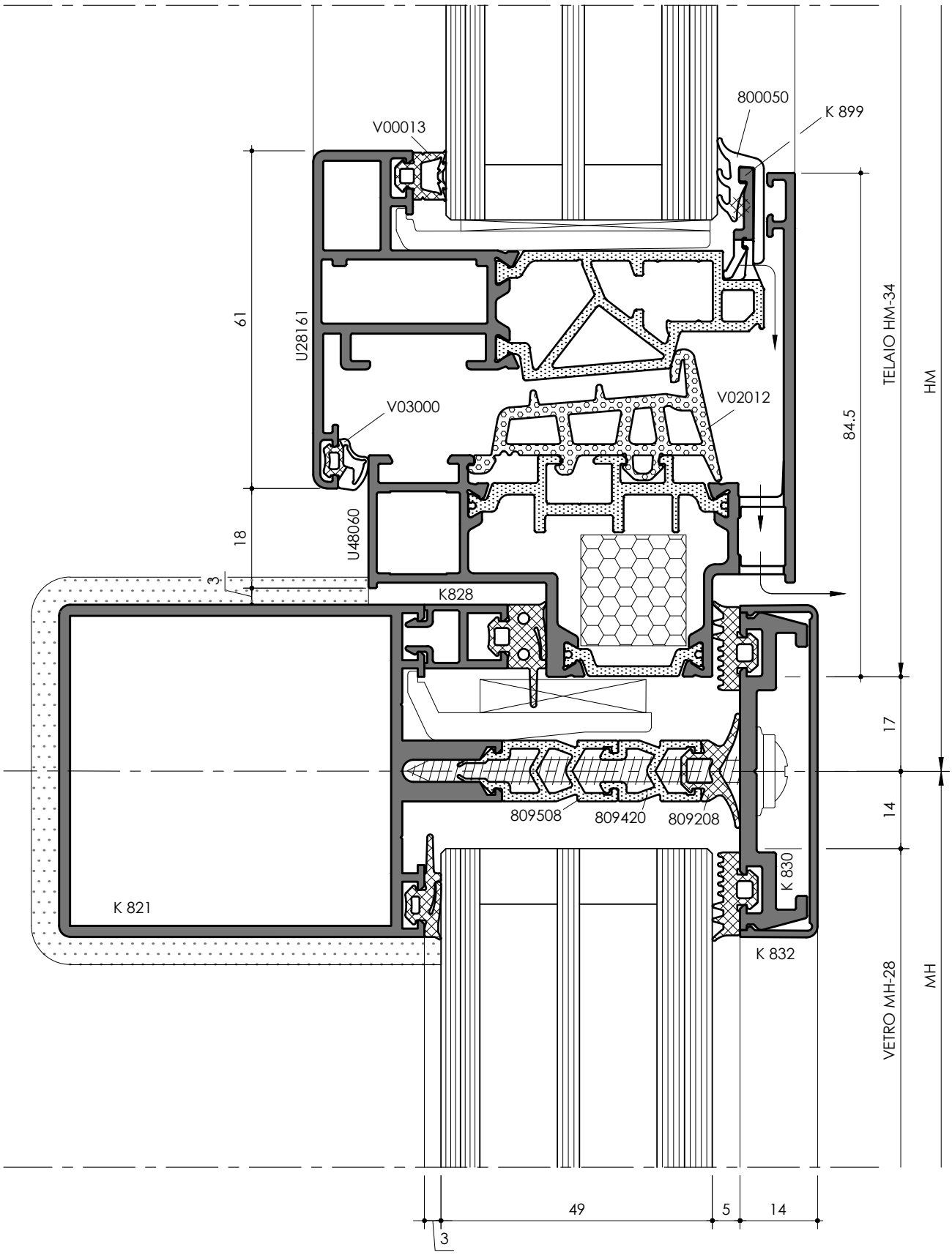
⚠ RIFILARE LA FLANGIA DI FINITURA TRAVERSO PER PERMETTERE L'INSERIMENTO DEL TELAIO

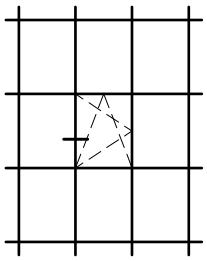
TRIM TRANSOM FINISHING FLANGE TO ALLOW FRAME INSERTION

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

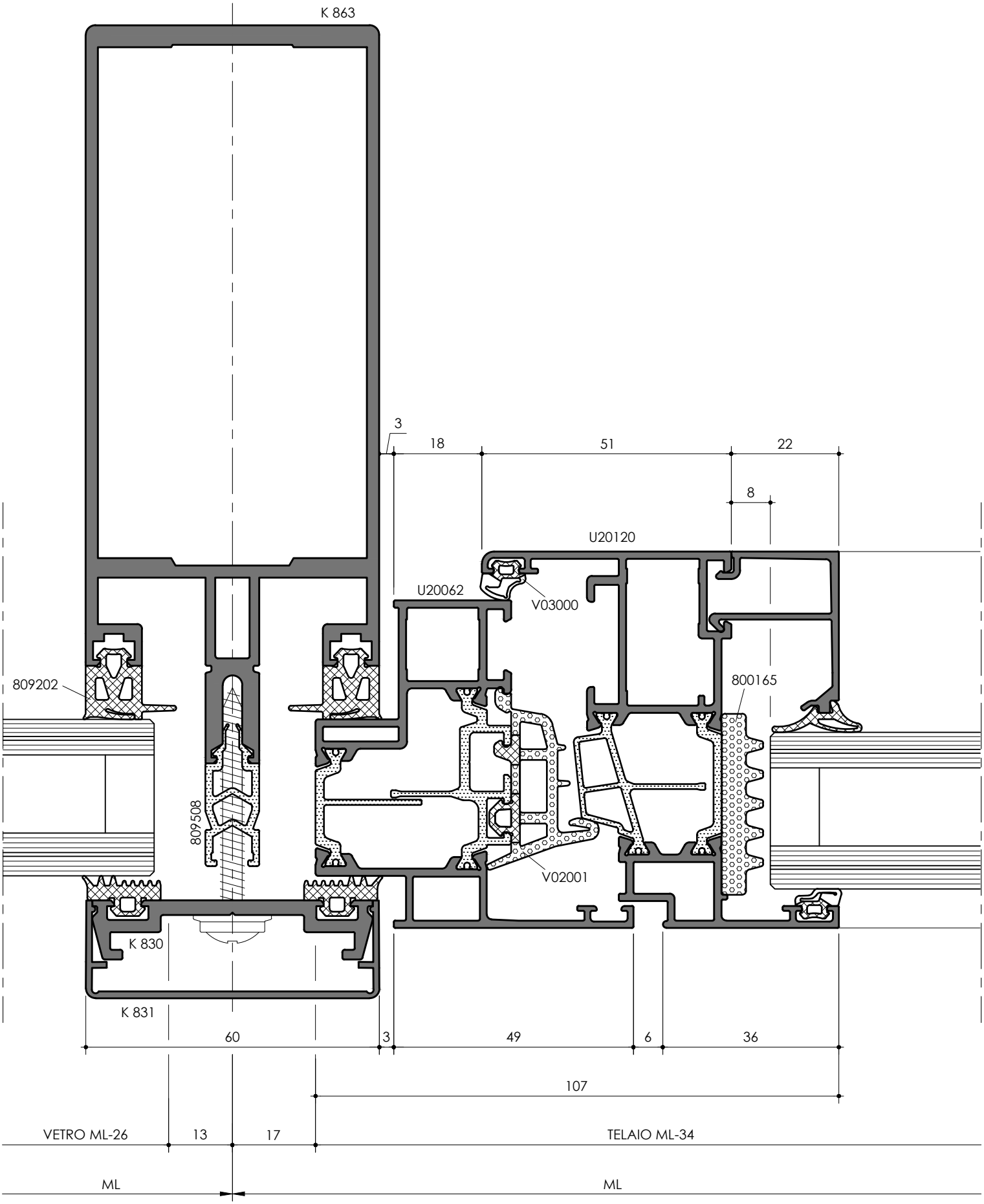


PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C77K-CS**
*FOR WINDOWS MACHININGS **SEE** ALUK **C77K-CS CATALOGUE***

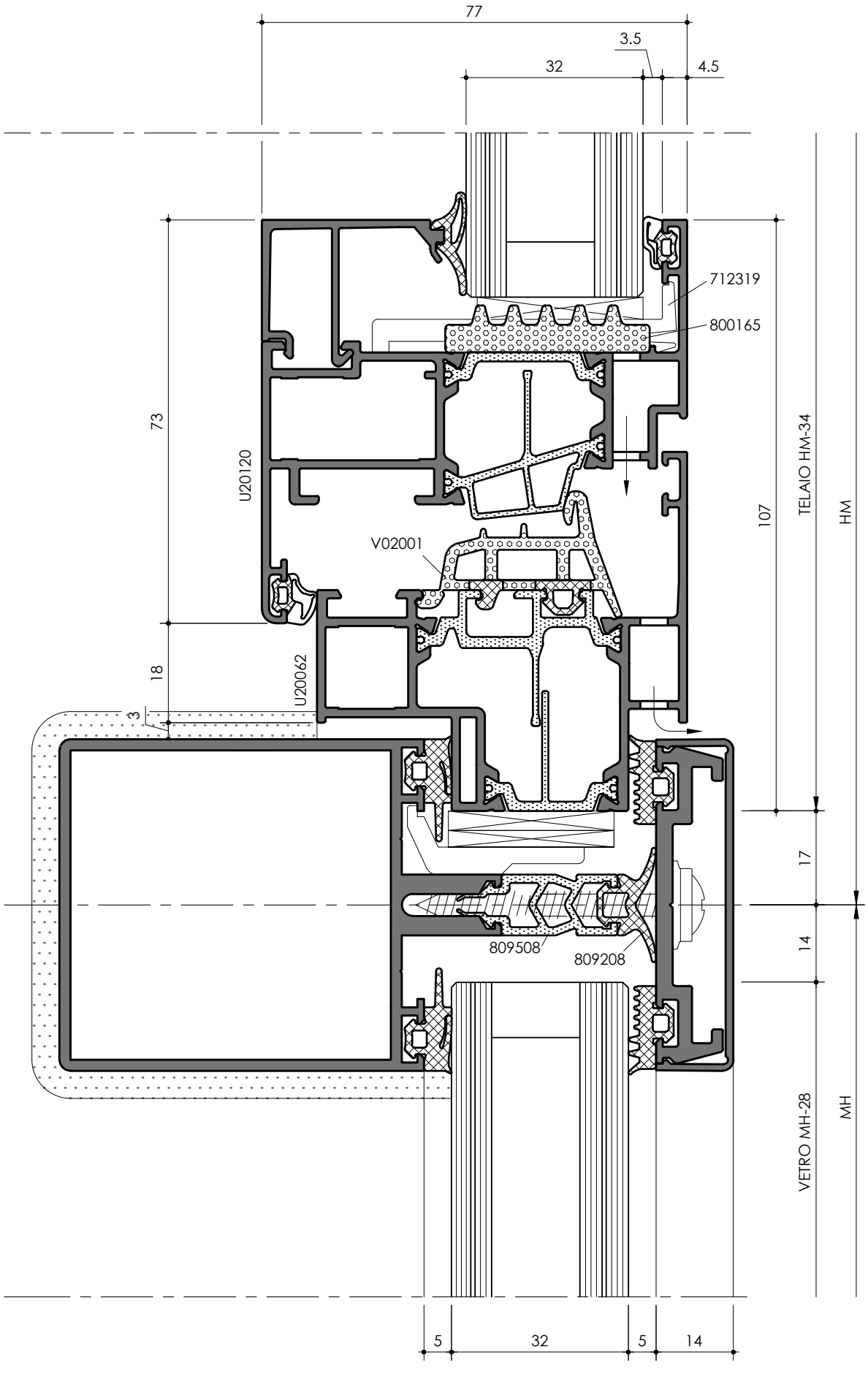




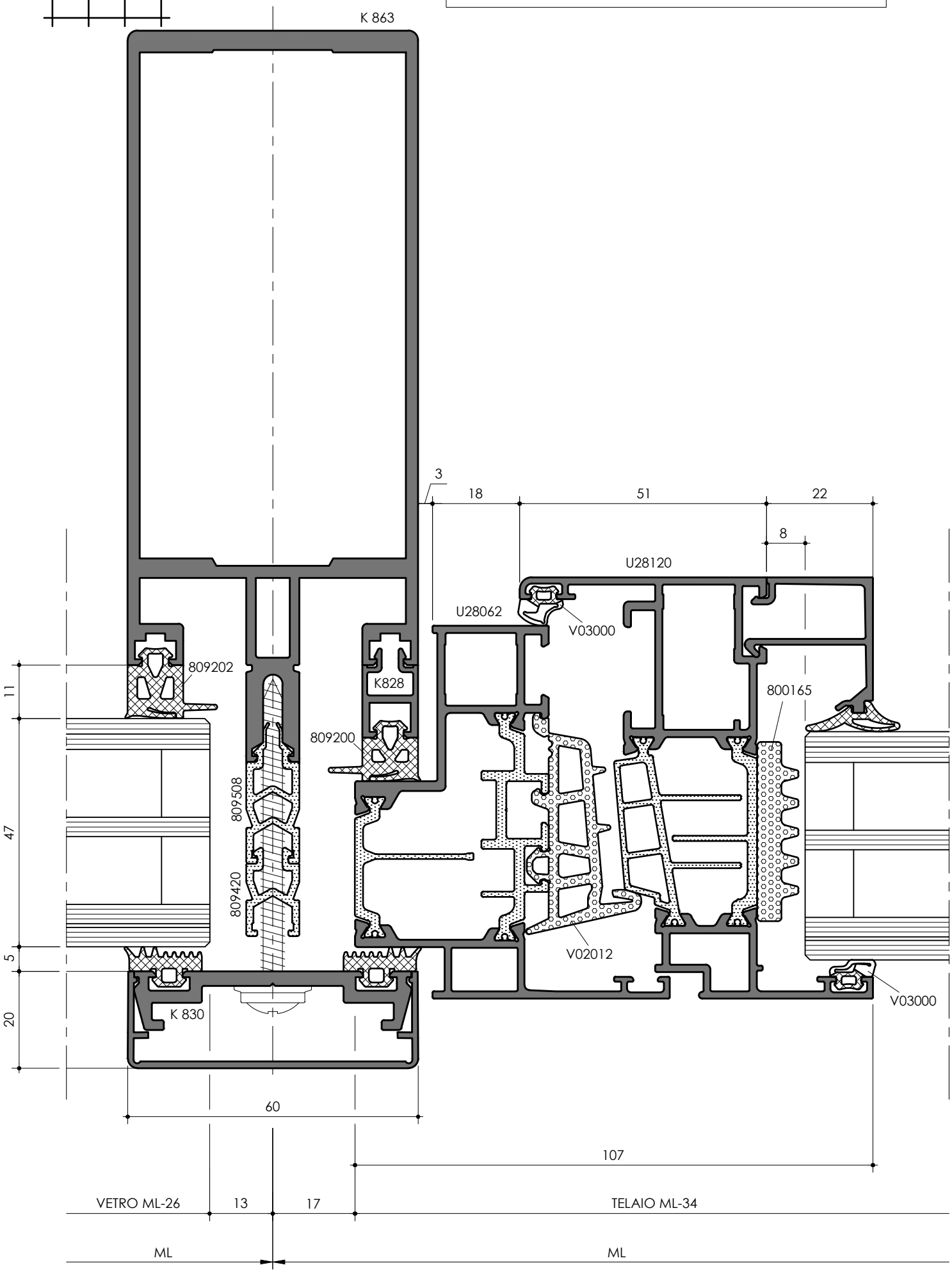
PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C67K**
*FOR WINDOWS MACHININGS **SEE** ALUK **C67K CATALOGUE***



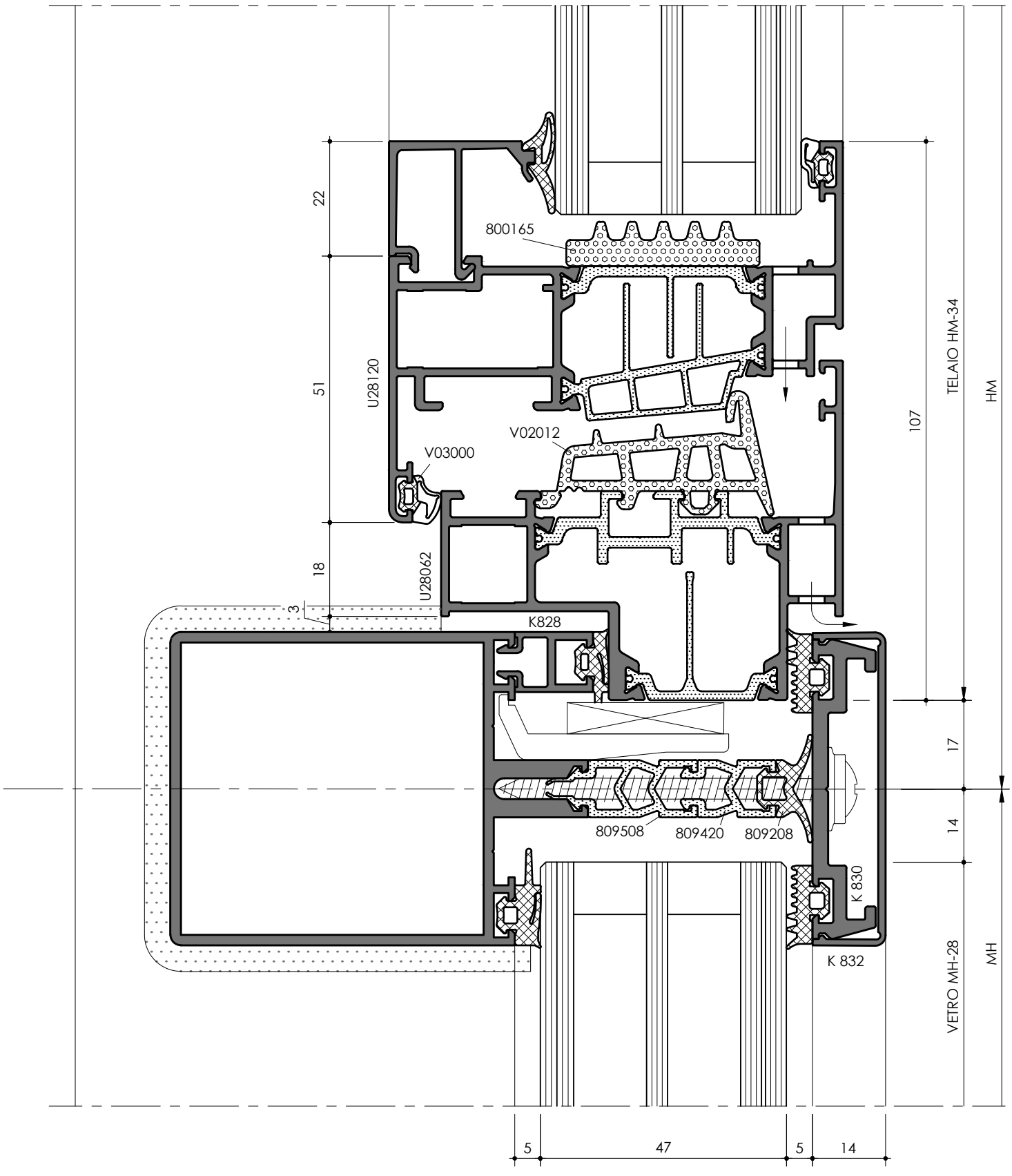
PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C67K**
*FOR WINDOWS MACHININGS **SEE** ALUK **C67K CATALOGUE***

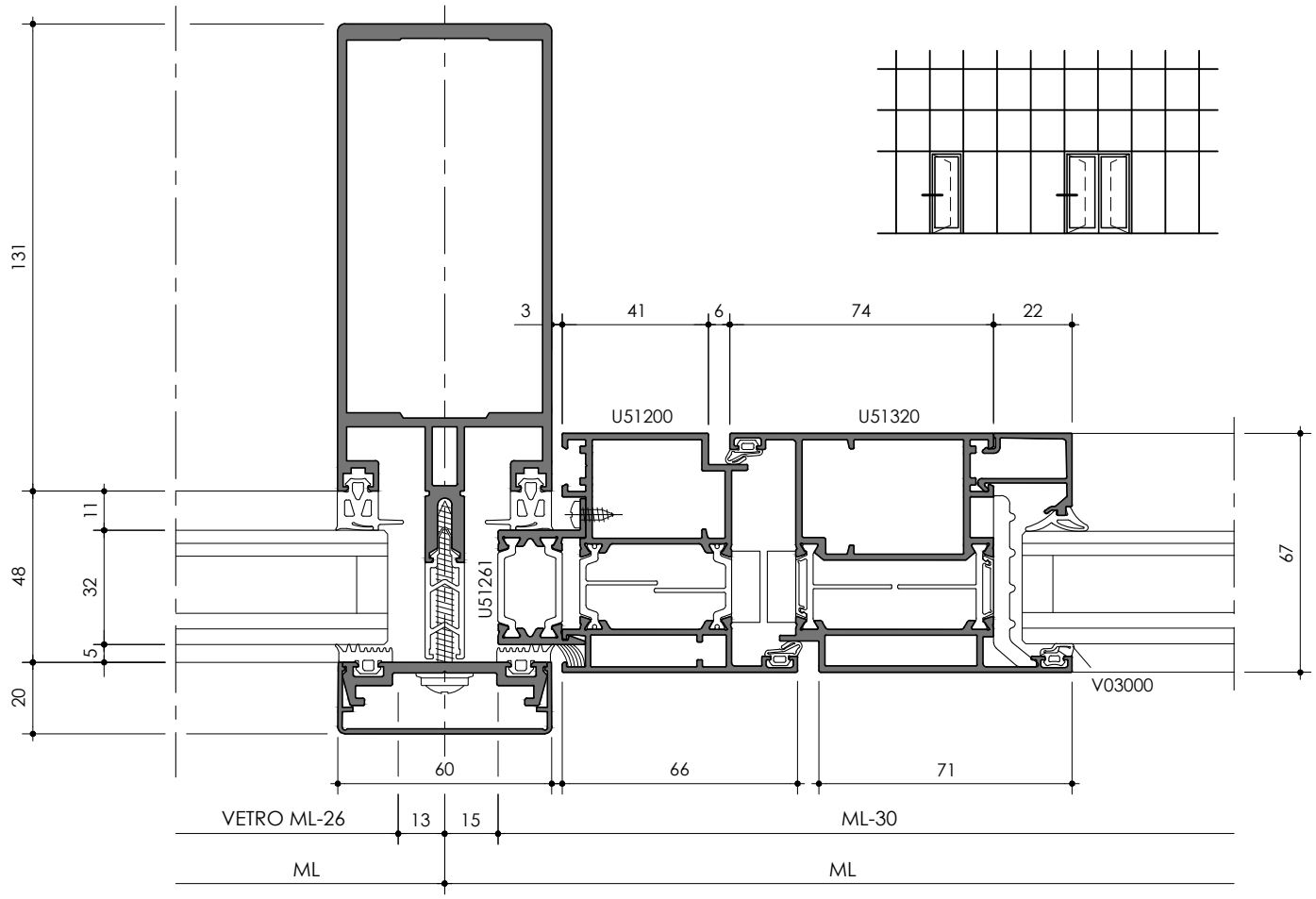


PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C77K**
*FOR WINDOWS MACHININGS **SEE** ALUK **C77K CATALOGUE***

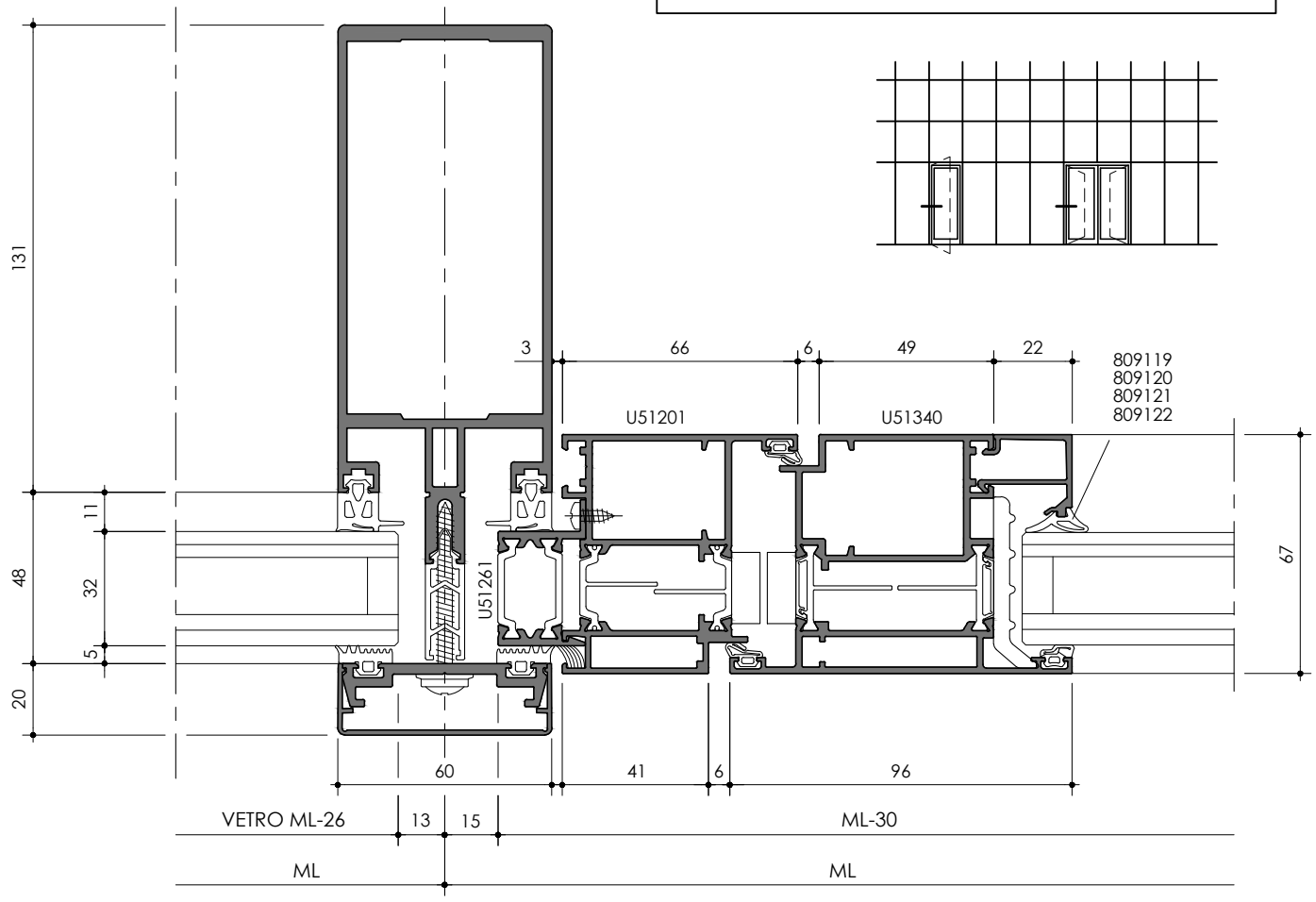


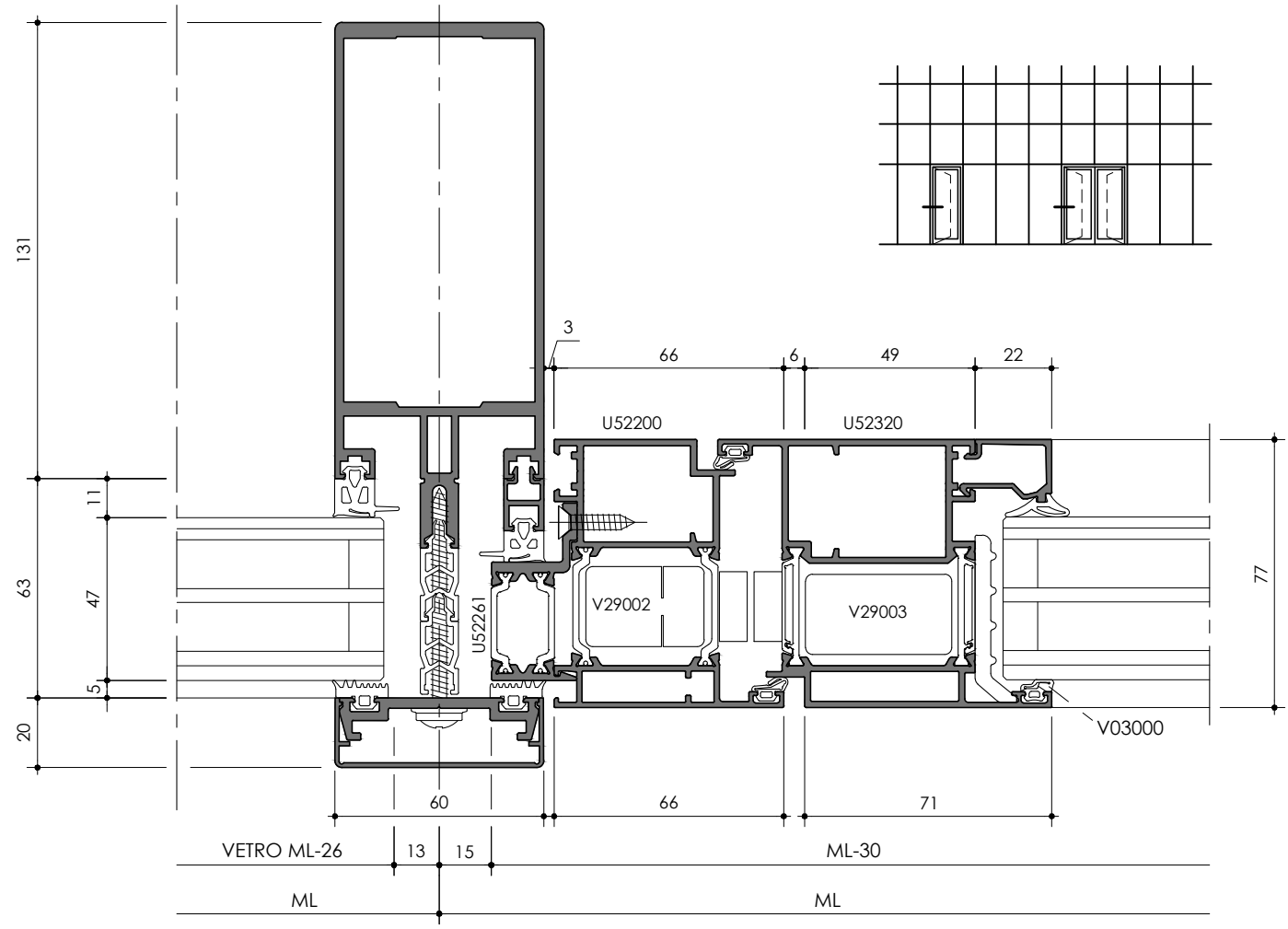
PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C77K**
*FOR WINDOWS MACHININGS **SEE** ALUK **C77K CATALOGUE***



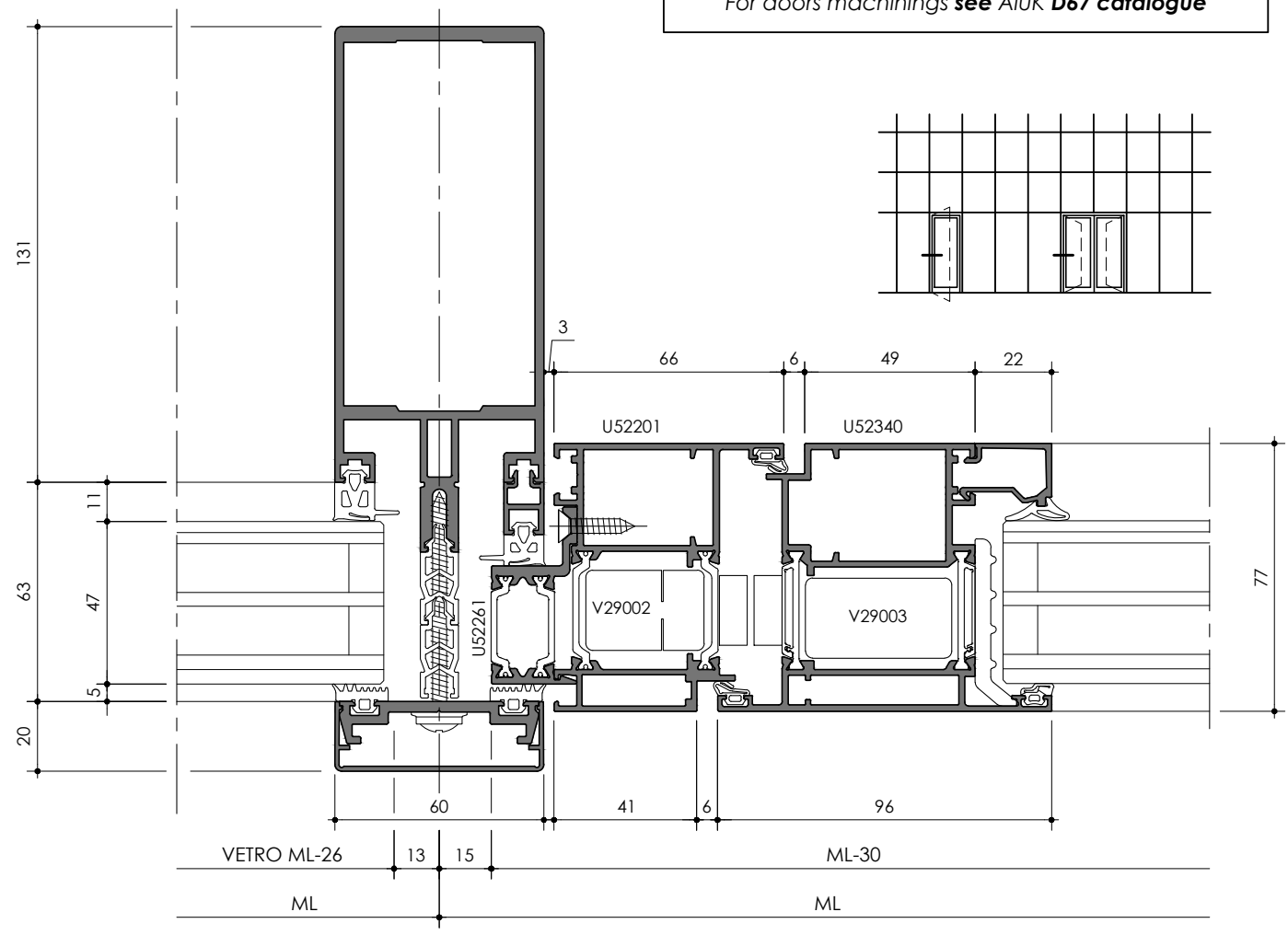


Per costruzione porte **vedi catalogo** AluK **D67**
*For doors machinings **see** AluK **D67 catalogue***

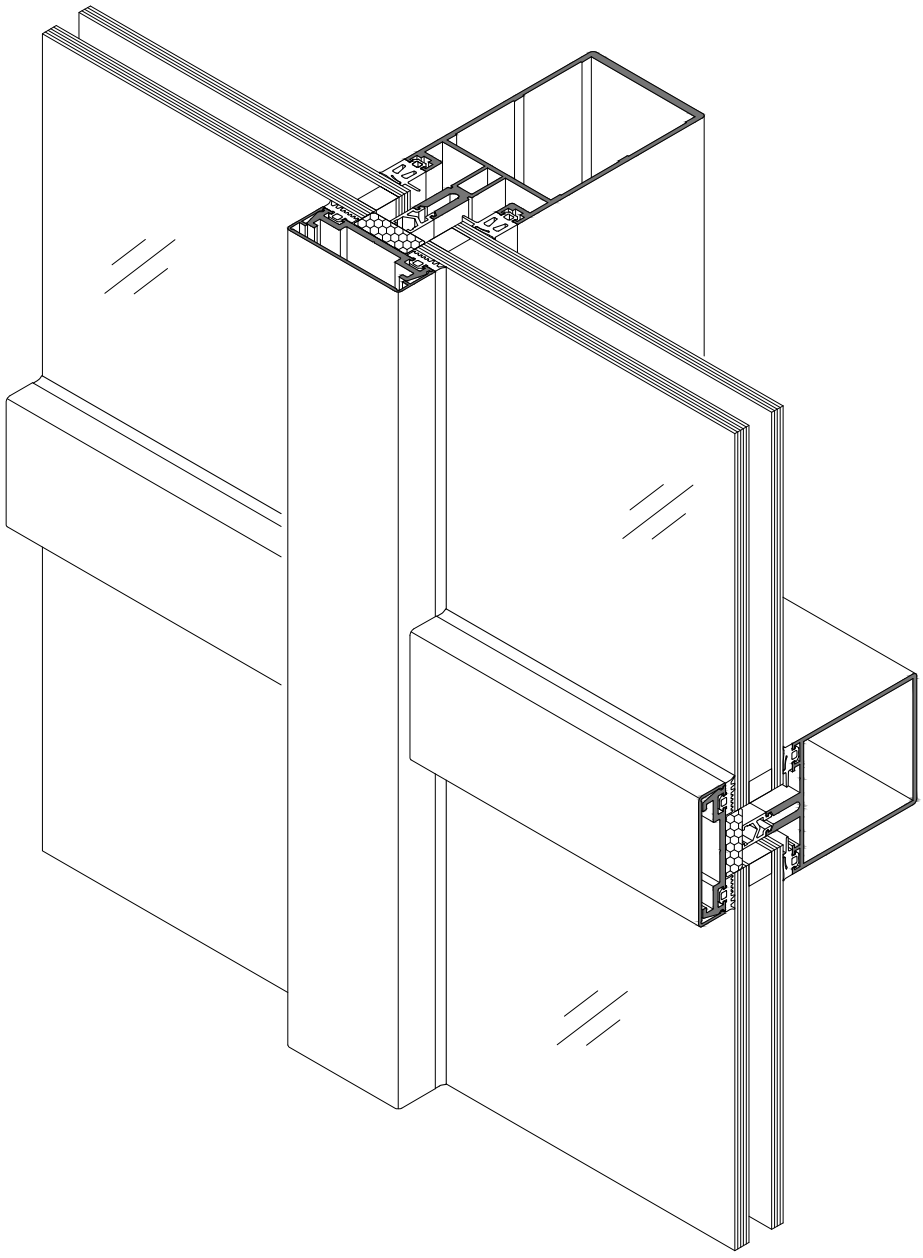


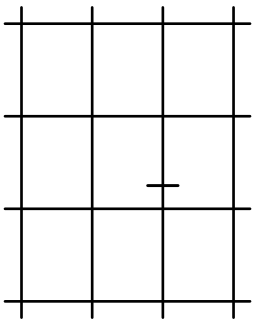


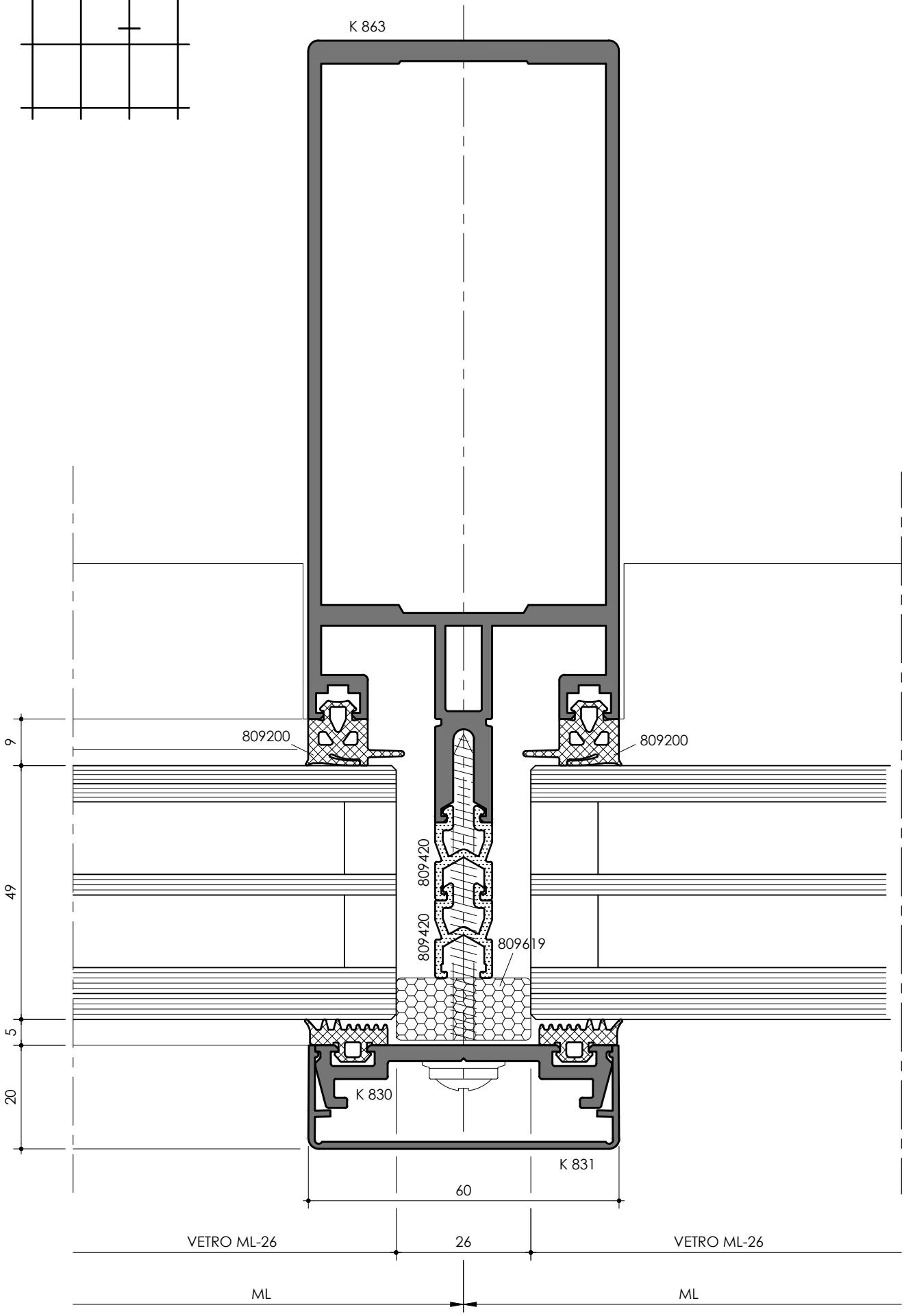
Per costruzione porte **vedi catalogo** AluK **D67**
*For doors machinings **see** AluK **D67 catalogue***



SL60 ITR (IMPROVED THERMAL RESISTANCE)
SISTEMA AD ISOLAMENTO TERMICO MIGLIORATO






K 863
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809200
809420
809420
809619
K 830
K 831
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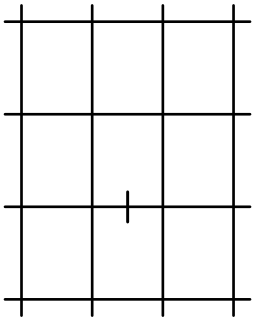
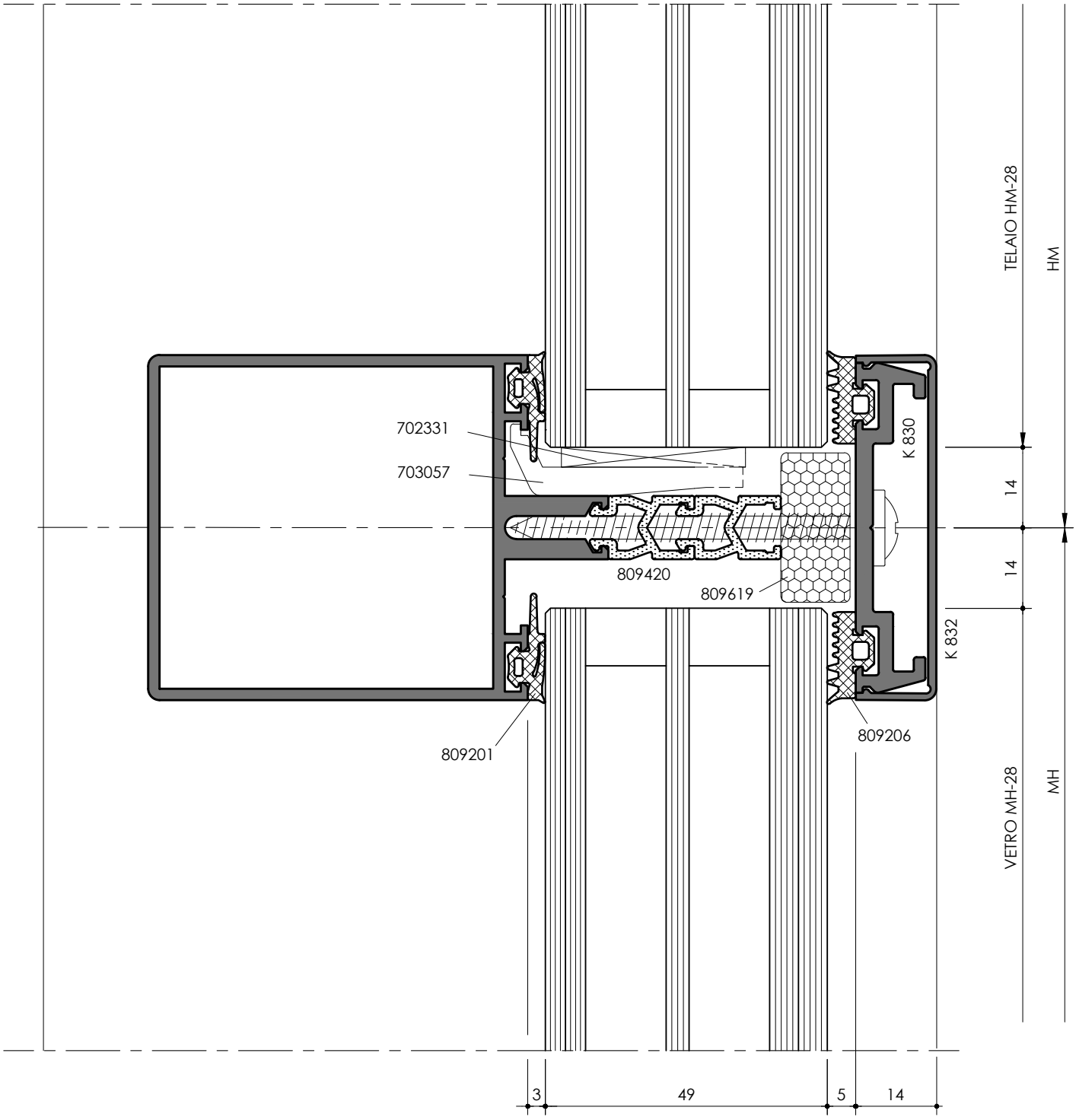
5
20
60
VETRO ML-26
26
VETRO ML-26
ML
ML




TELAIO HM-28
HM
K 830
14
14
K 832
VETRO MH-28
MH
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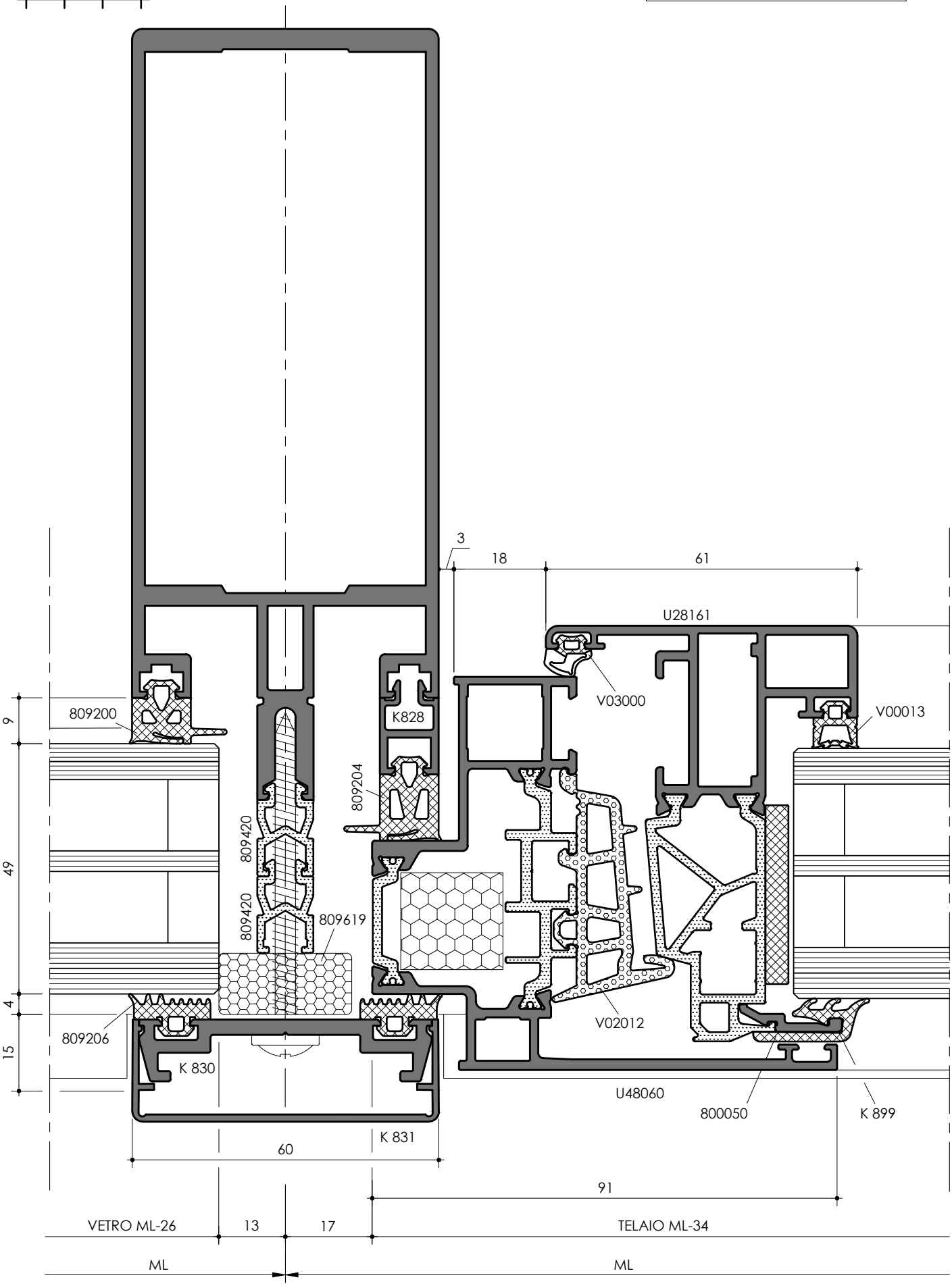
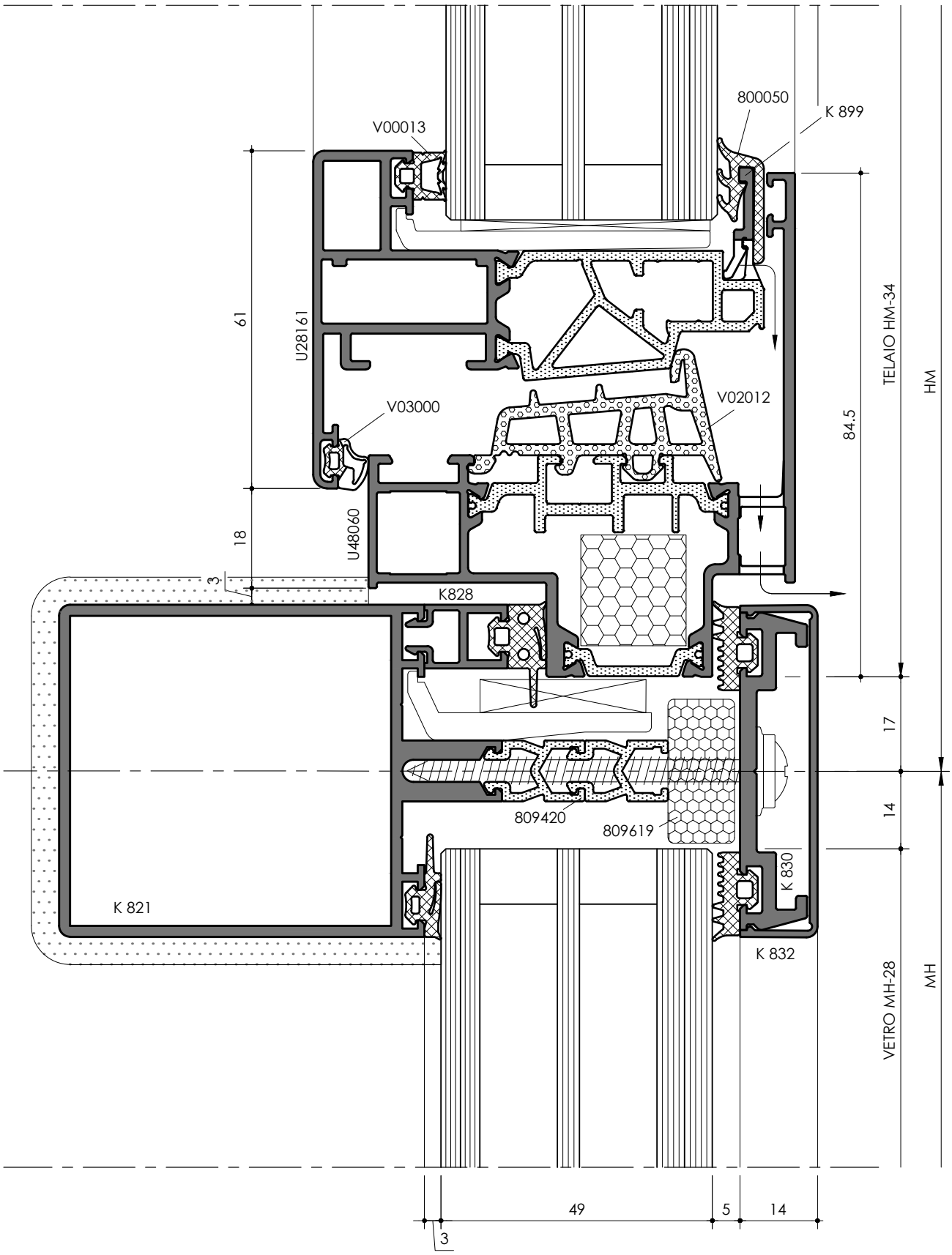
809619
809201
809206
3
49
5
14

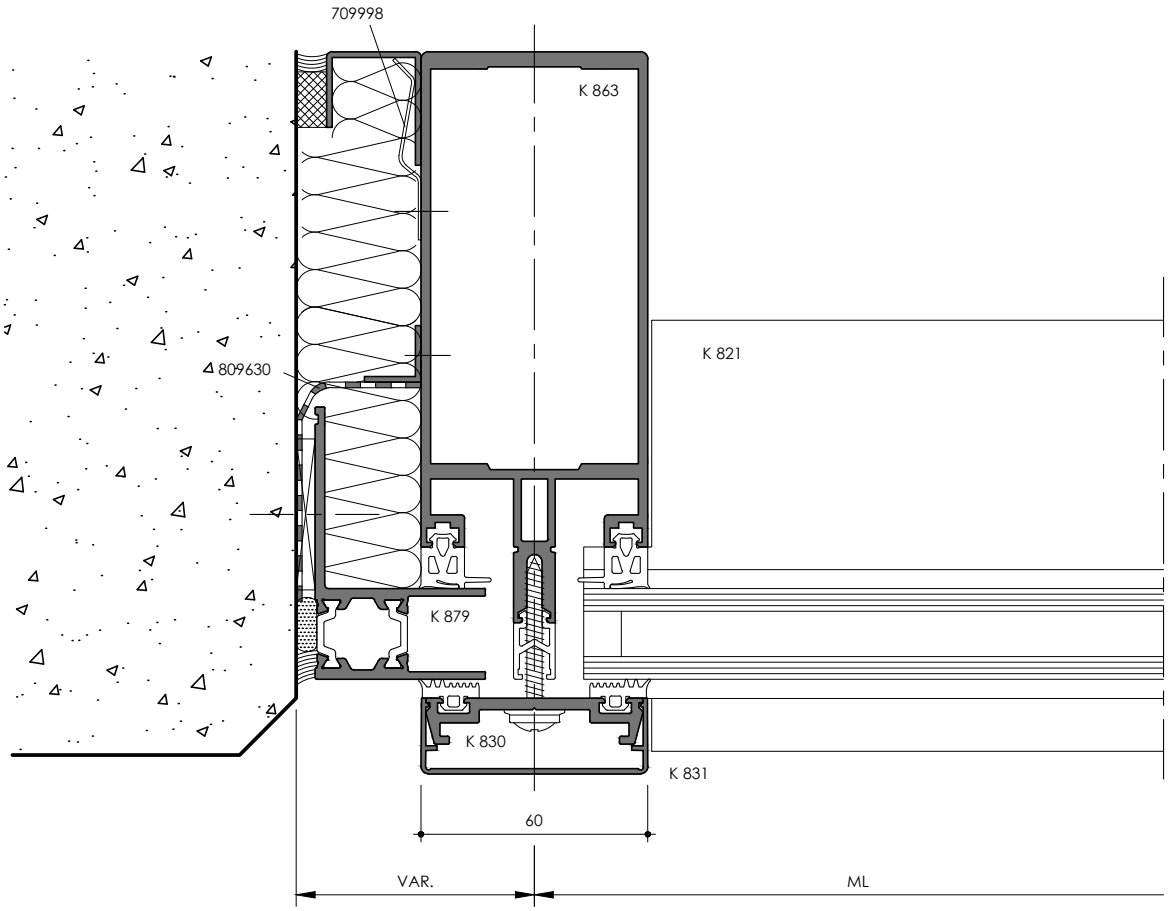
PER LAVORAZIONI ANTE
VEDI CATALOGO ALUK **C77K-CS**
FOR WINDOWS MACHININGS
SEE** ALUK **C77K-CS CATALOGUE

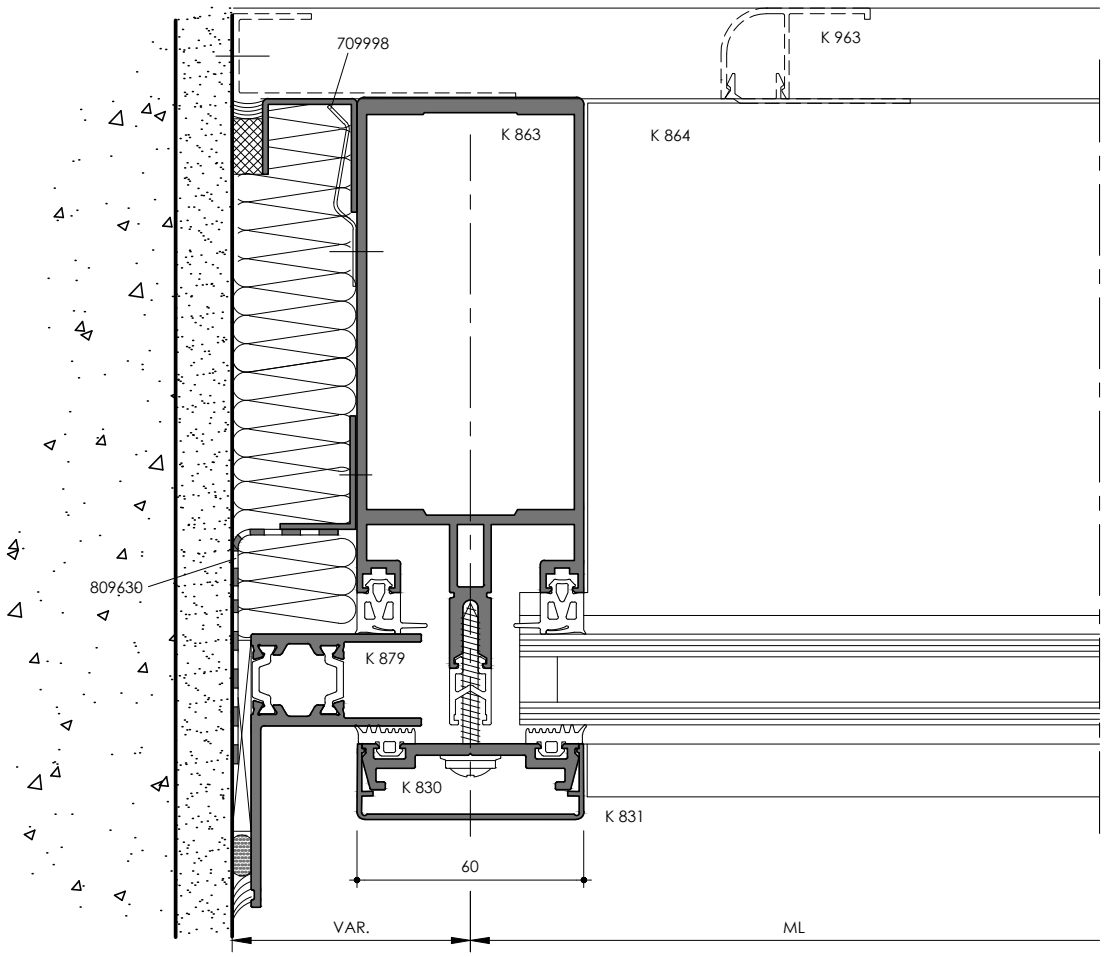


PER LAVORAZIONI ANTE **VEDI CATALOGO** ALUK **C77K-CS**
*FOR WINDOWS MACHININGS **SEE** ALUK **C77K-CS CATALOGUE***

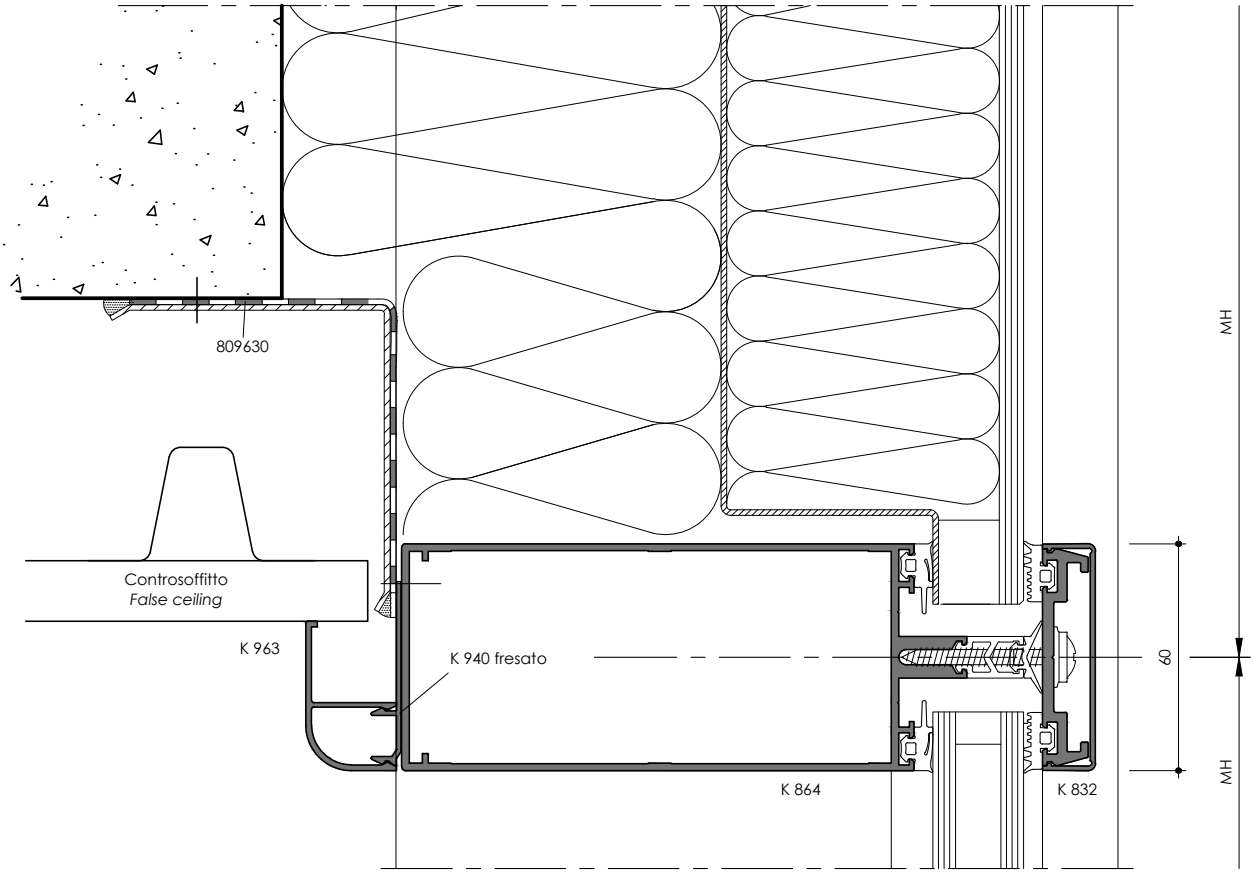


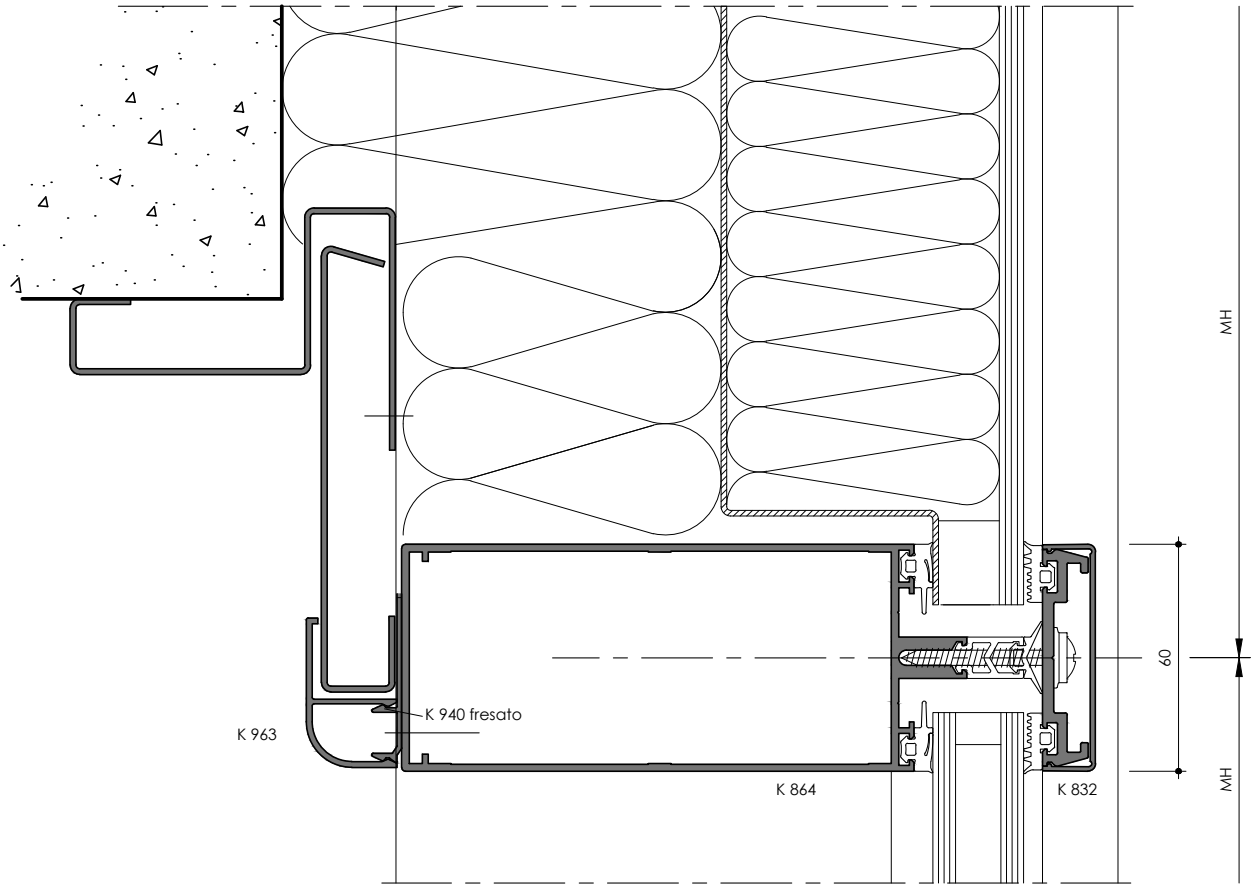
NODI LATERALI DI FACCIATA
CURTAIN WALL JAMB DETAILS



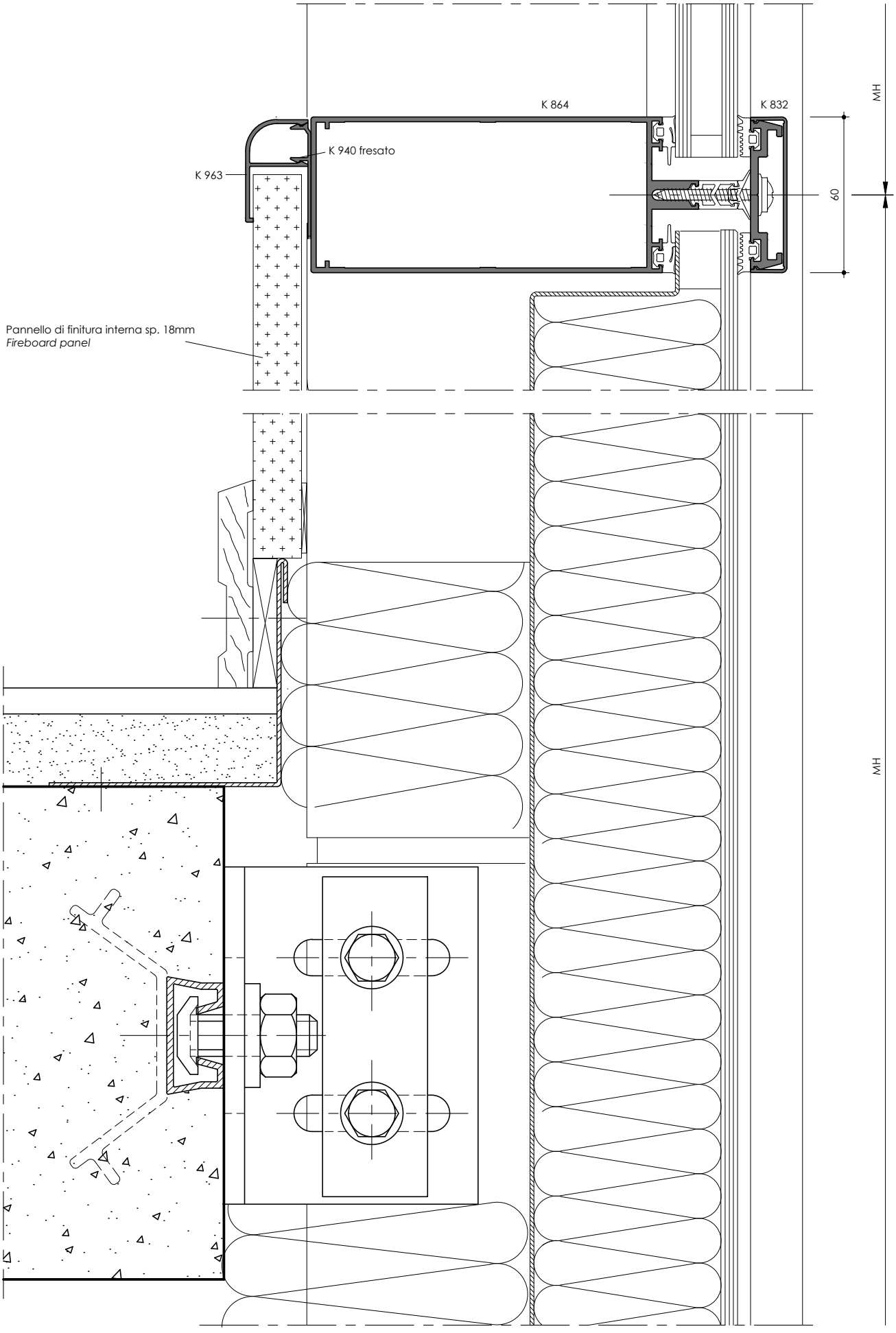


COLLEGAMENTI A SOLAIO
CEILING JOINTS

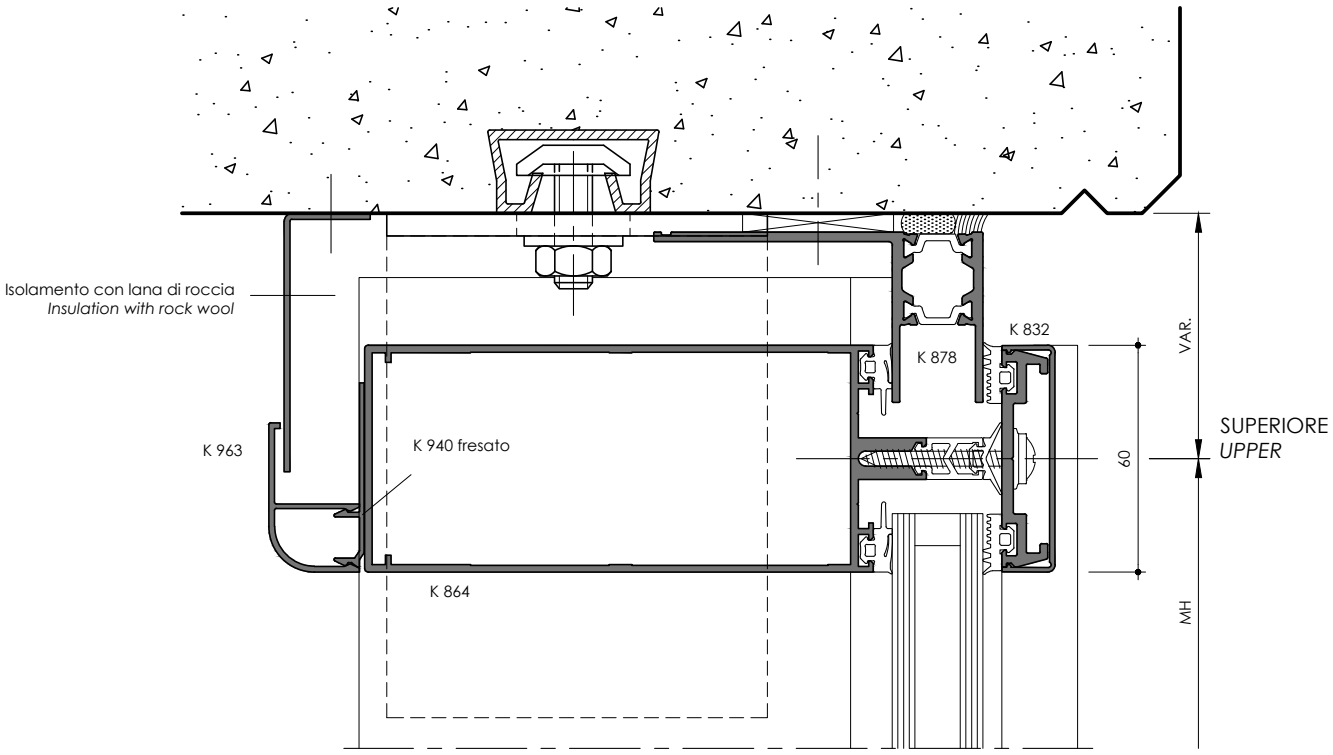


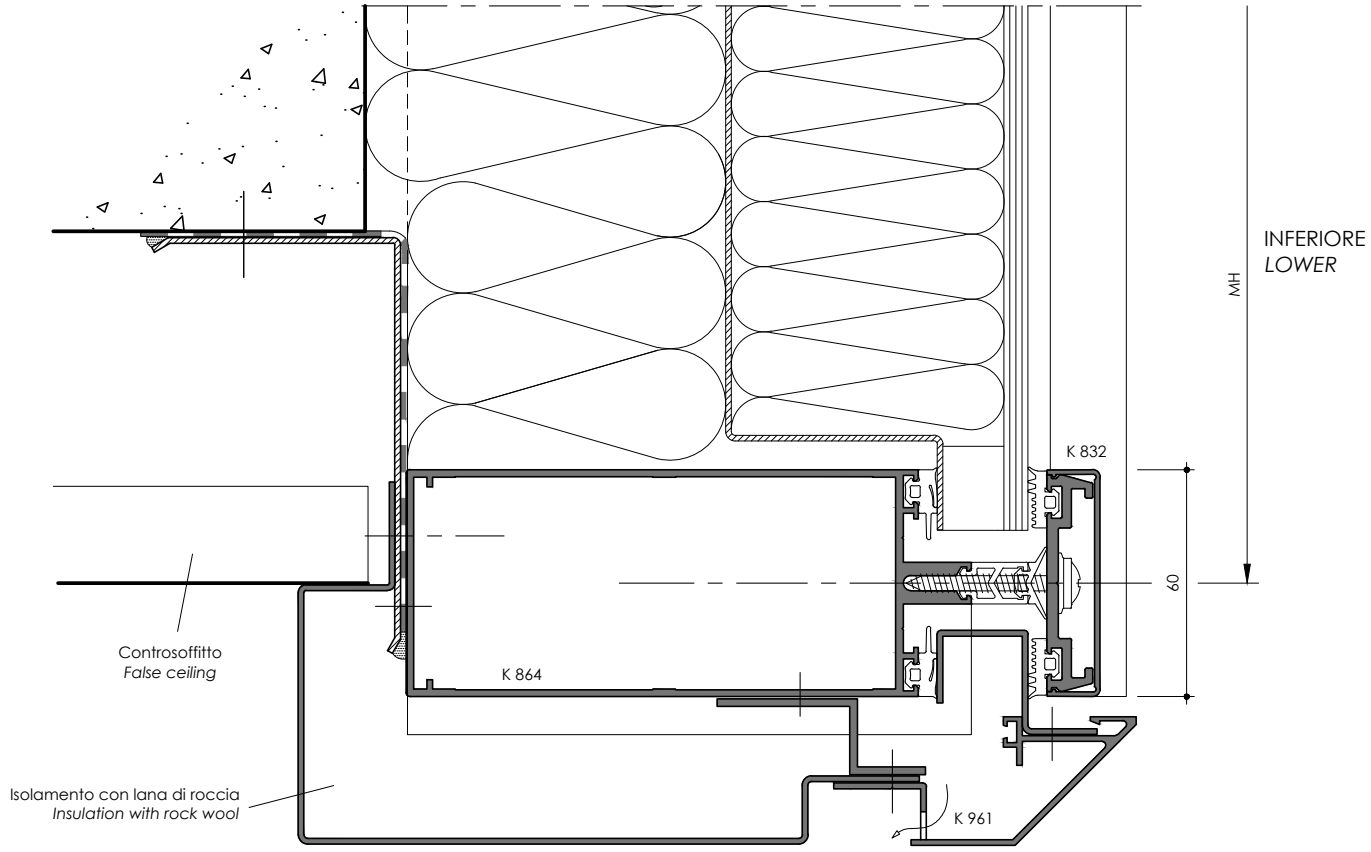


COLLEGAMENTO A PAVIMENTO
FLOOR JOINT



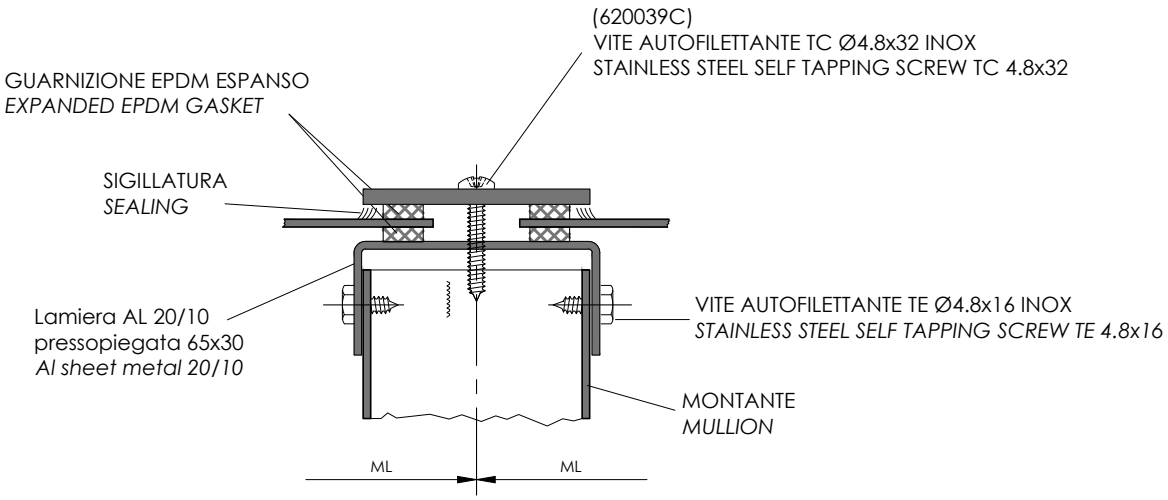
NODI TERMINALI DI FACCIATA
CURTAIN WALL TERMINAL DETAILS

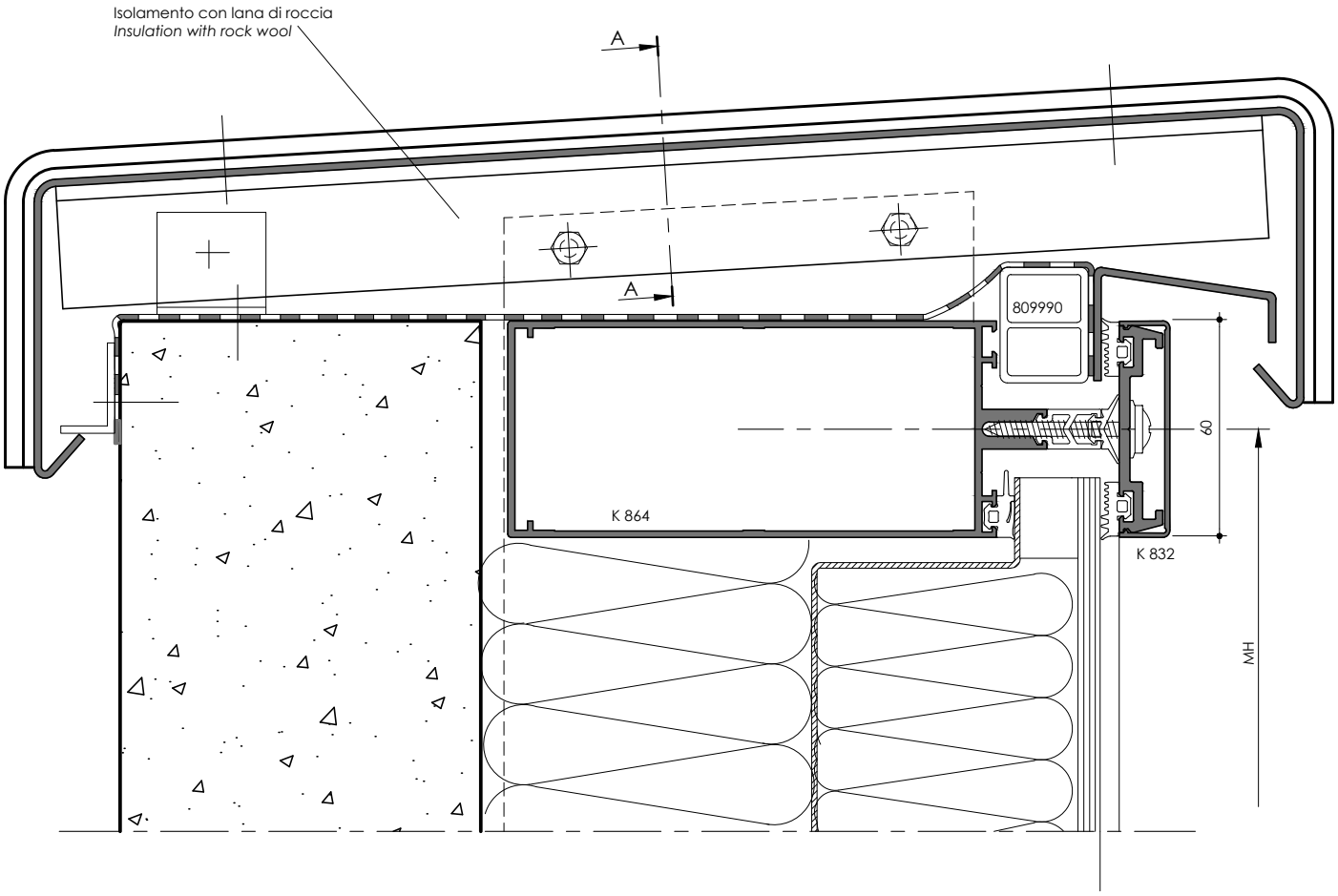




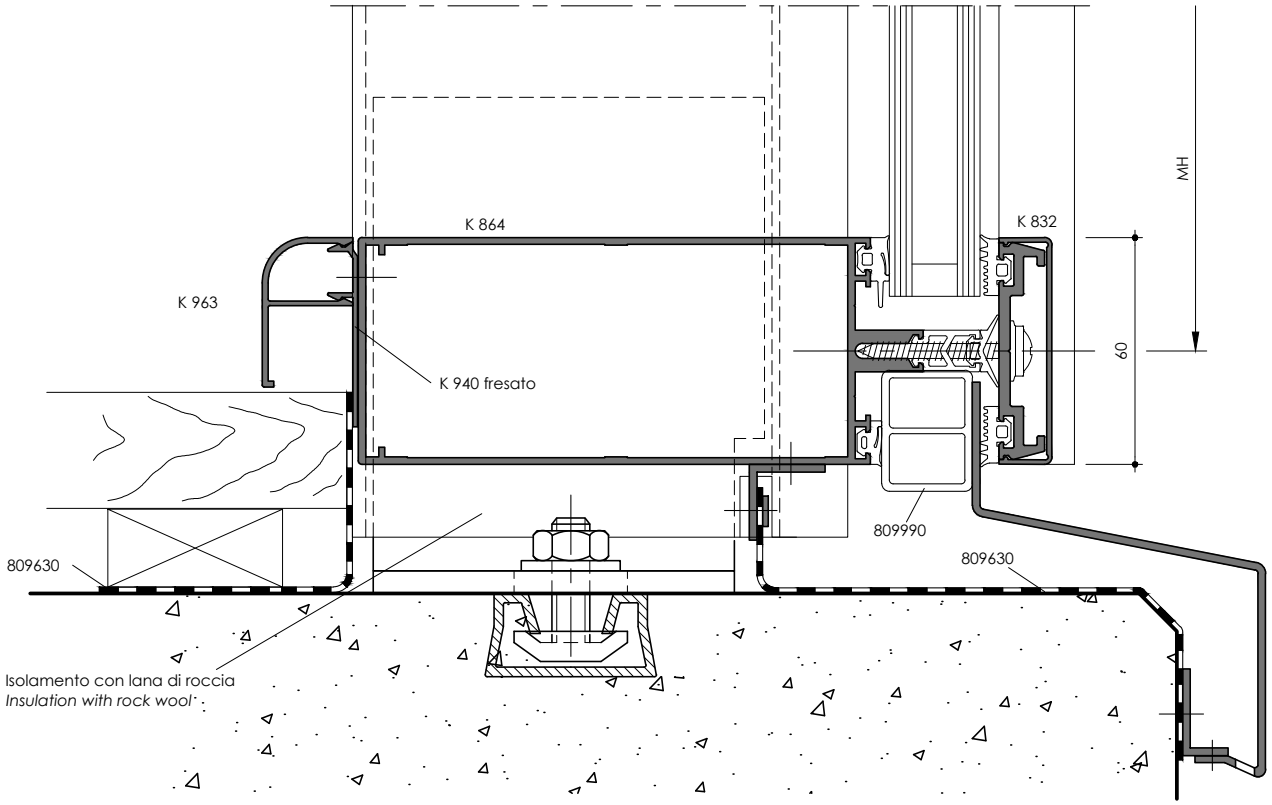
PARTICOLARE COPERTINA SUPERIORE FACCIATA
CURTAIN WALL COVER DETAIL

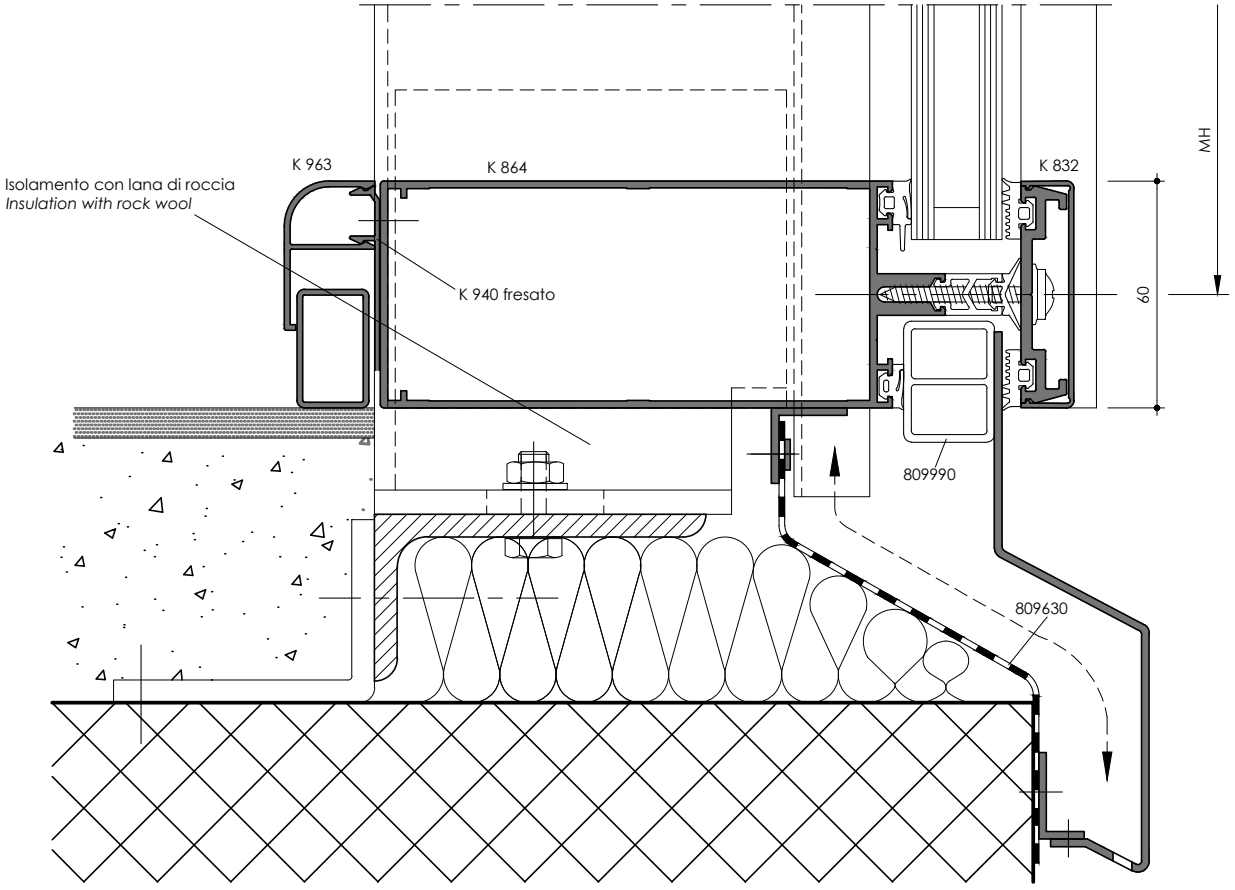
SEZIONE A-A
SECTION A-A



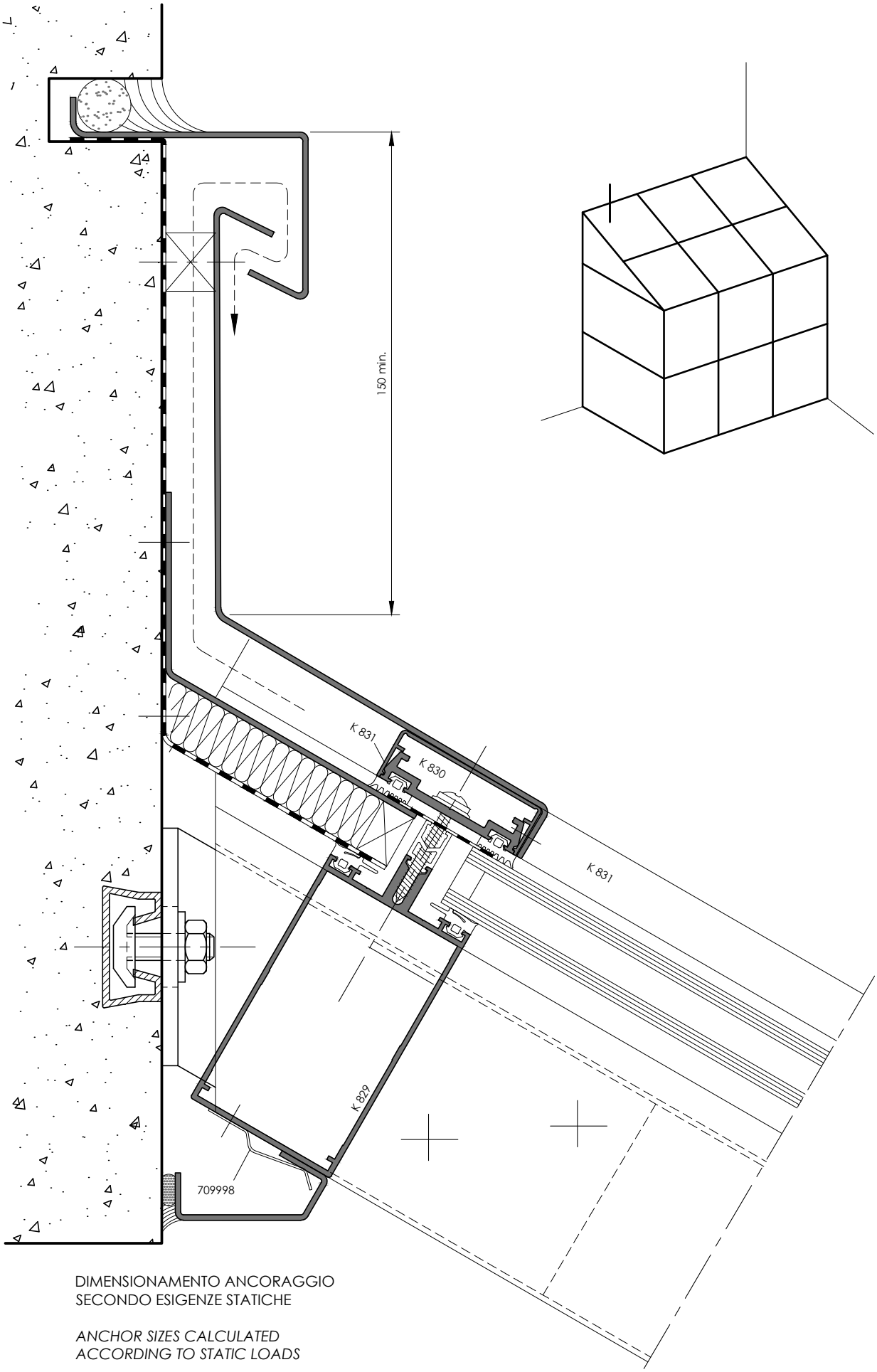


ATTACCO DI BASE PER MONTANTI
BASE ANCHORING OF MULLION





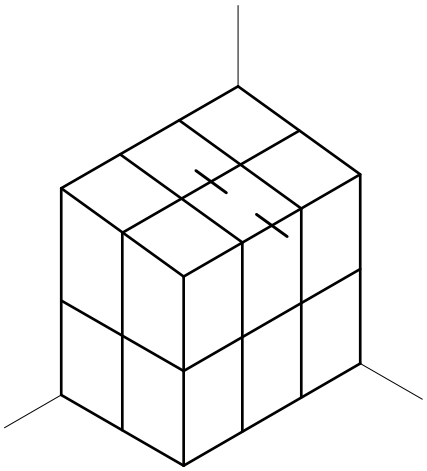
ATTACCO COPERTURA
ROOF ANCHORING



DIMENSIONAMENTO ANCORAGGIO
SECONDO ESIGENZE STATICHE

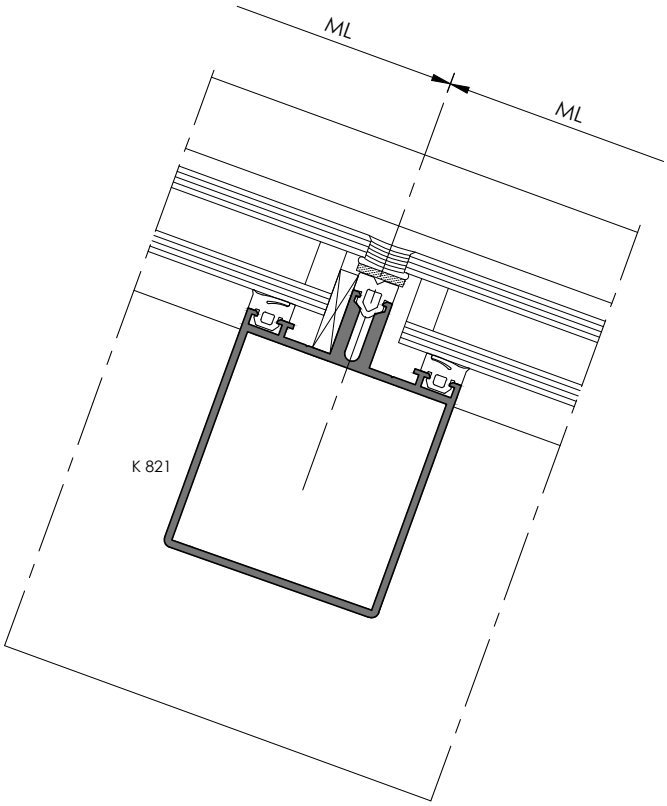
ANCHOR SIZES CALCULATED
ACCORDING TO STATIC LOADS

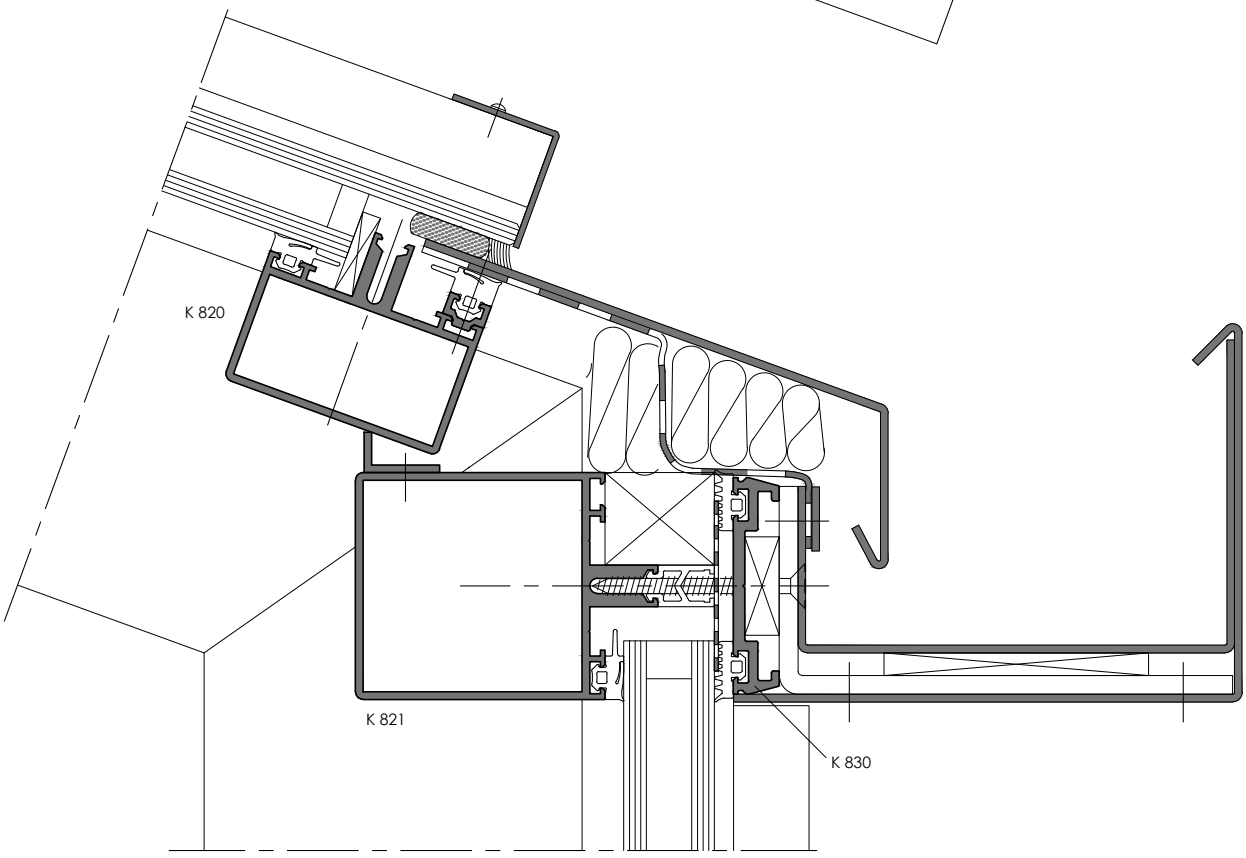
SEZIONI DI COPERTURA
ROOF DETAILS



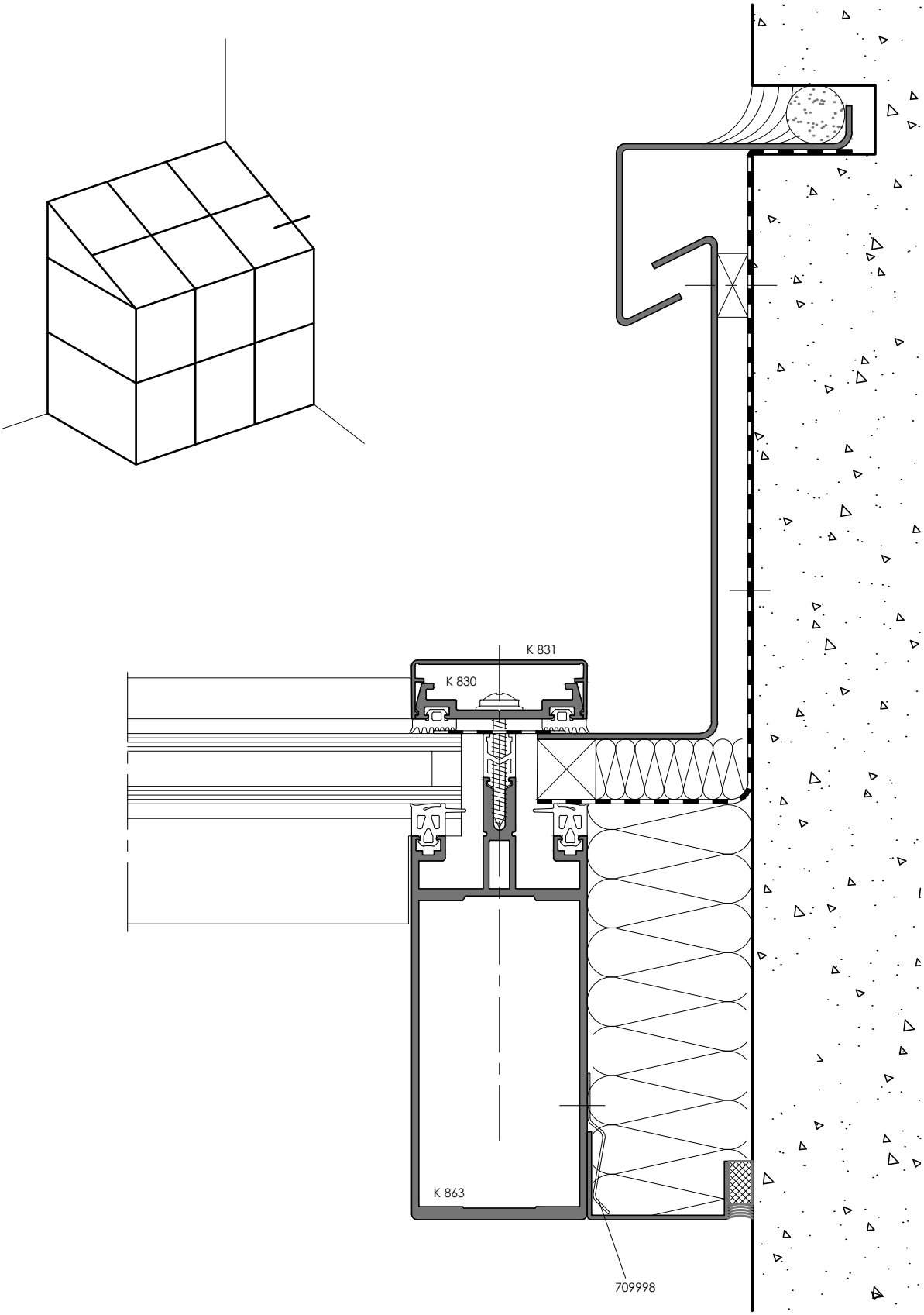
PER QUESTA SOLUZIONE
VEDI NOTA A PAGINA 6.20

FOR THIS SOLUTION, SEE ON PAGE 6.20

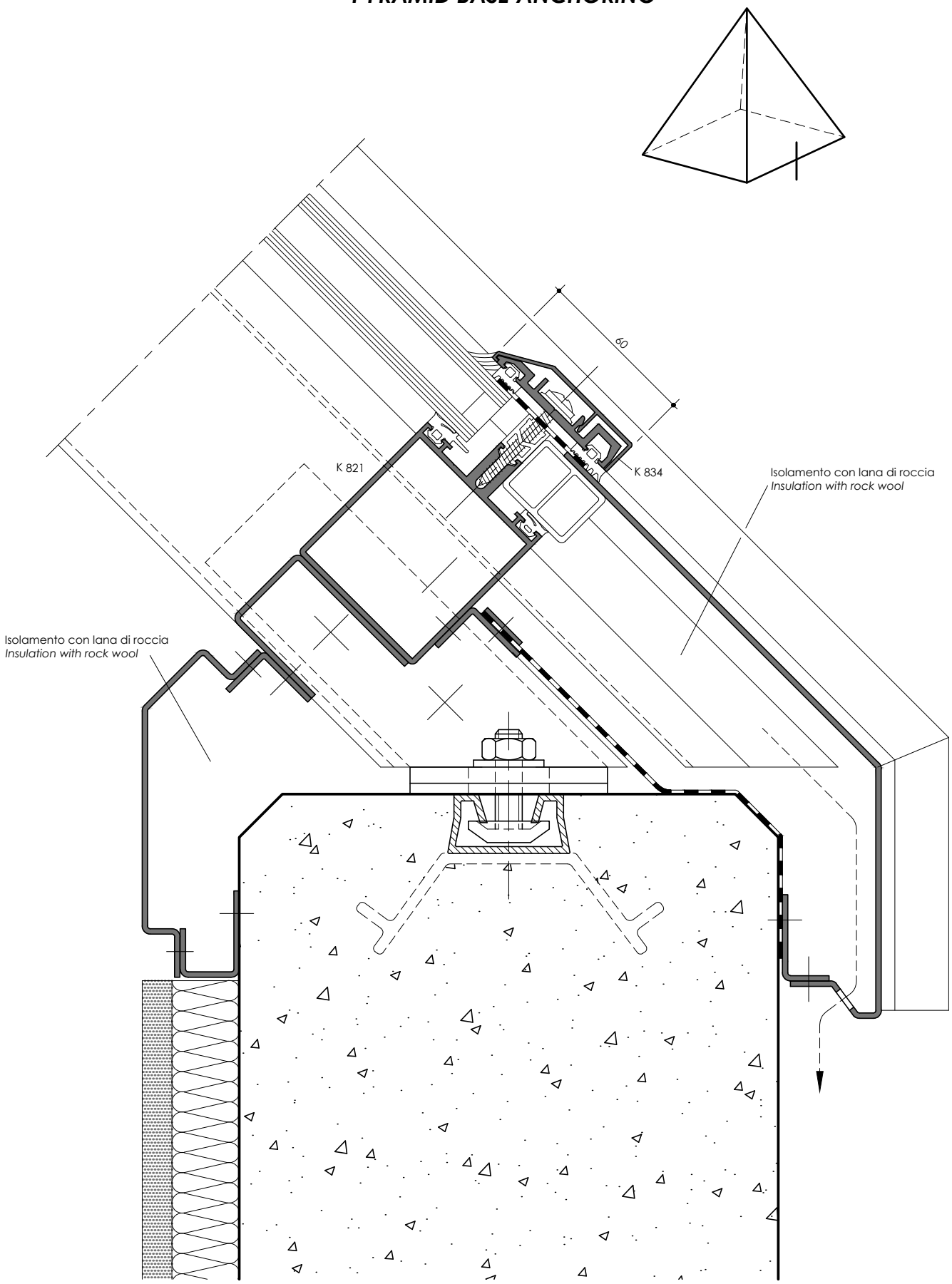




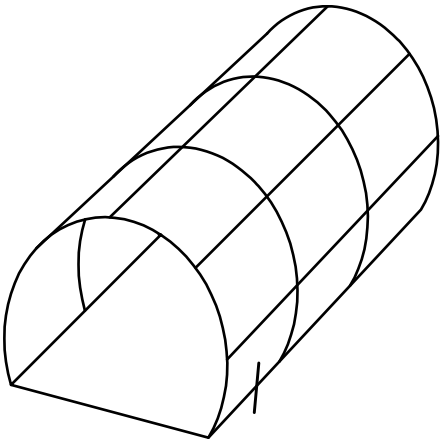
ATTACCO COPERTURA
ROOF ANCHORING



ATTACCO DI BASE PER PIRAMIDI
PYRAMID BASE ANCHORING

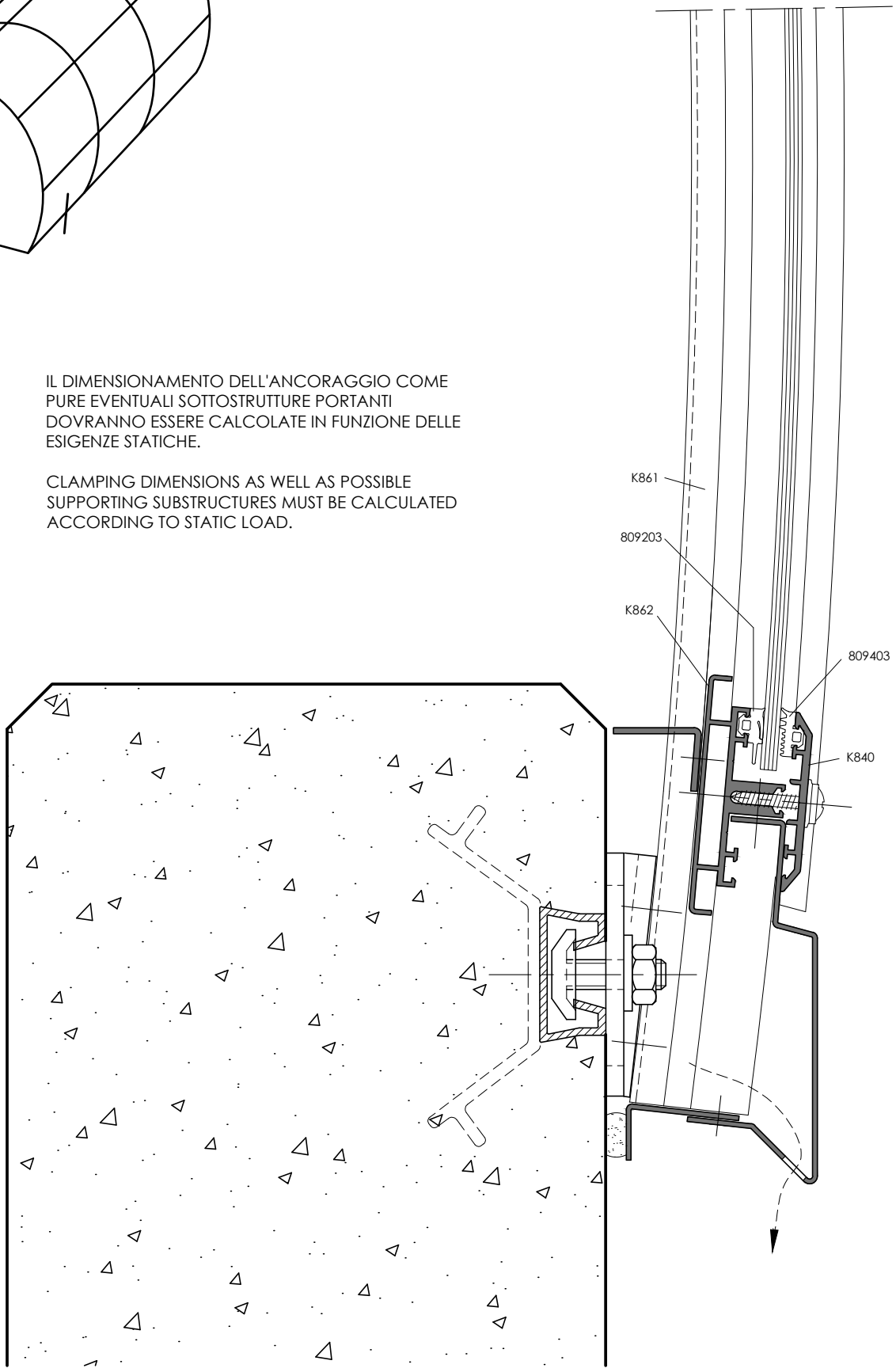


STRUTTURA PER TUNNEL IN POLICARBONATO
STRUCTURE FOR POLYCARBONATE TUNNEL

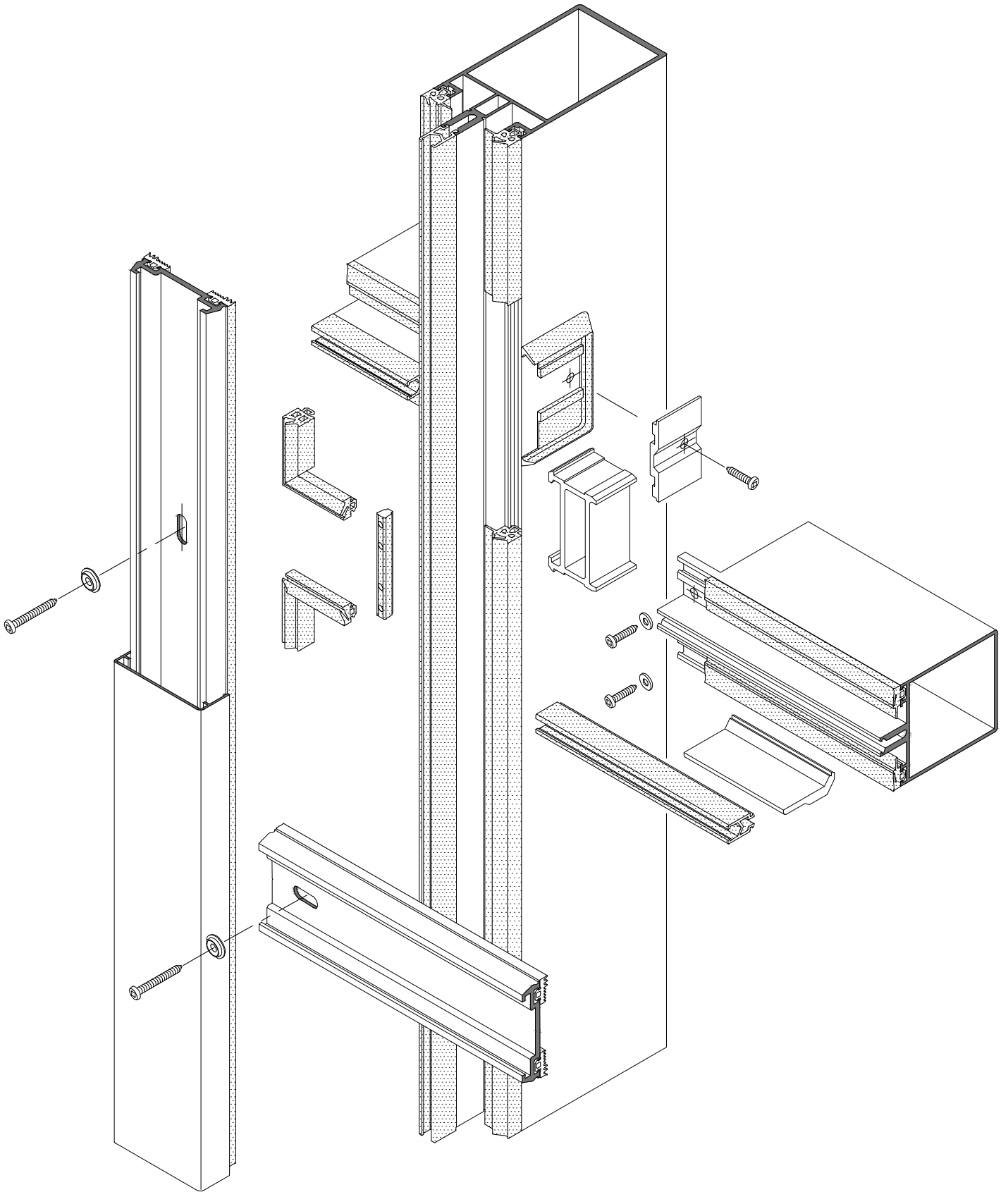


IL DIMENSIONAMENTO DELL'ANCORAGGIO COME PURE EVENTUALI SOTTOSTRUTTURE PORTANTI DOVRANNO ESSERE CALCOLATE IN FUNZIONE DELLE ESIGENZE STATICHE.

CLAMPING DIMENSIONS AS WELL AS POSSIBLE SUPPORTING SUBSTRUCTURES MUST BE CALCULATED ACCORDING TO STATIC LOAD.

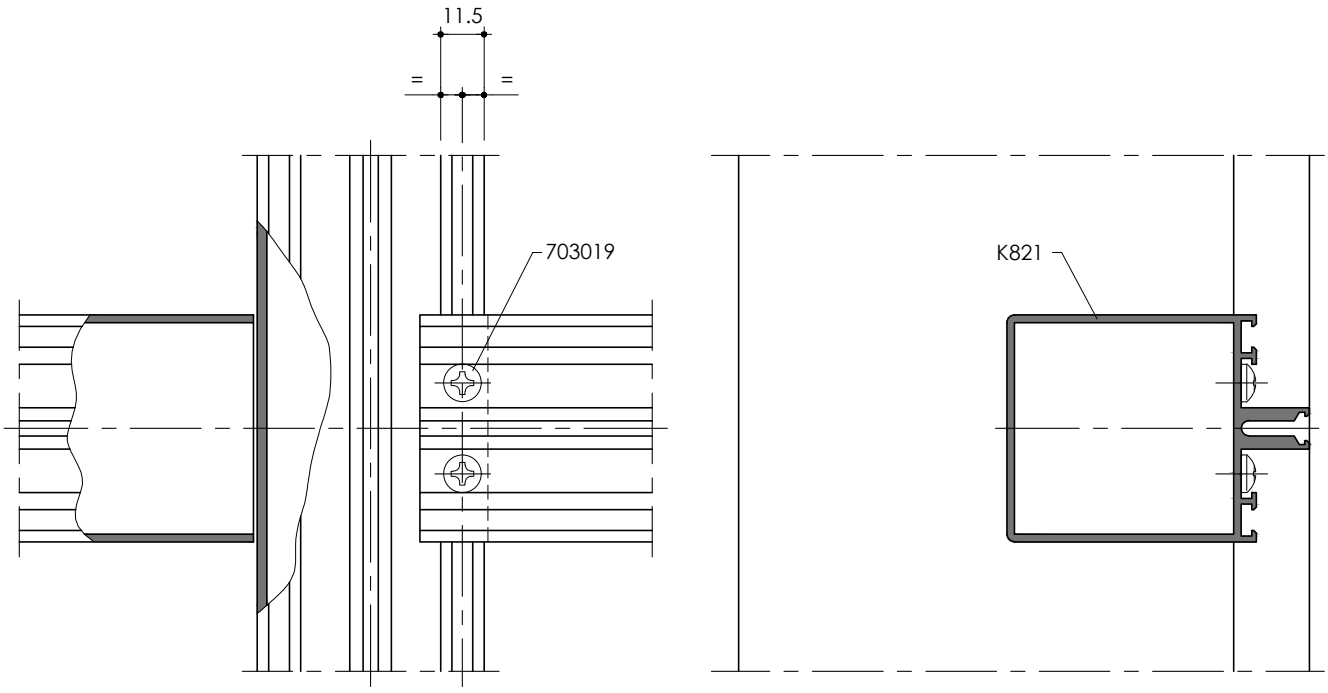


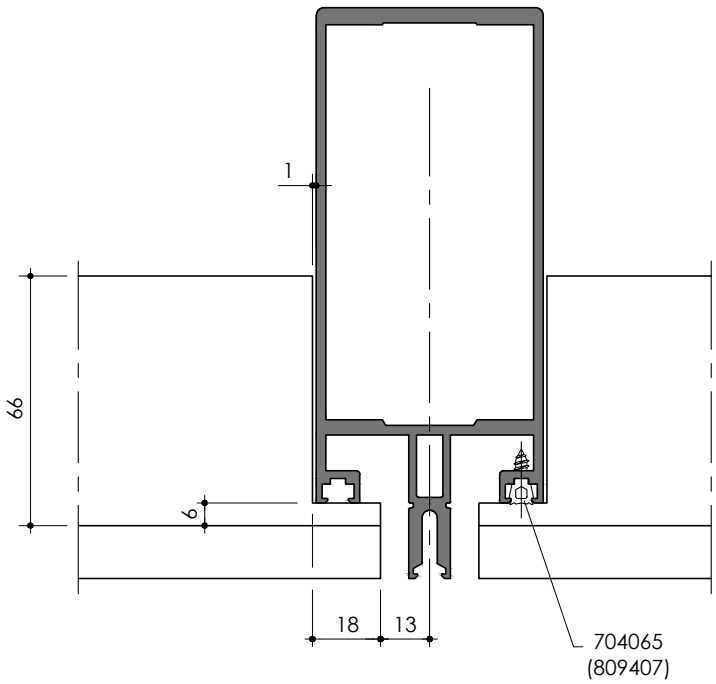
VISTA ESPLOSA DEL SISTEMA
EXPLODED VIEW OF SYSTEM

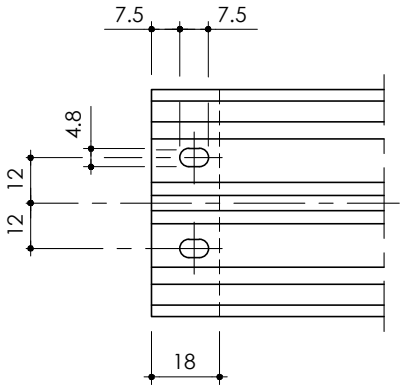


SCHEMA DI ASSEMBLAGGIO MONTANTE E TRAVERSO K821 SENZA MENSOLA E SENZA FLANGIA

MULLION AND K821 TRANSOM WITHOUT FLANGE AND BRACKET ASSEMBLING DIAGRAM







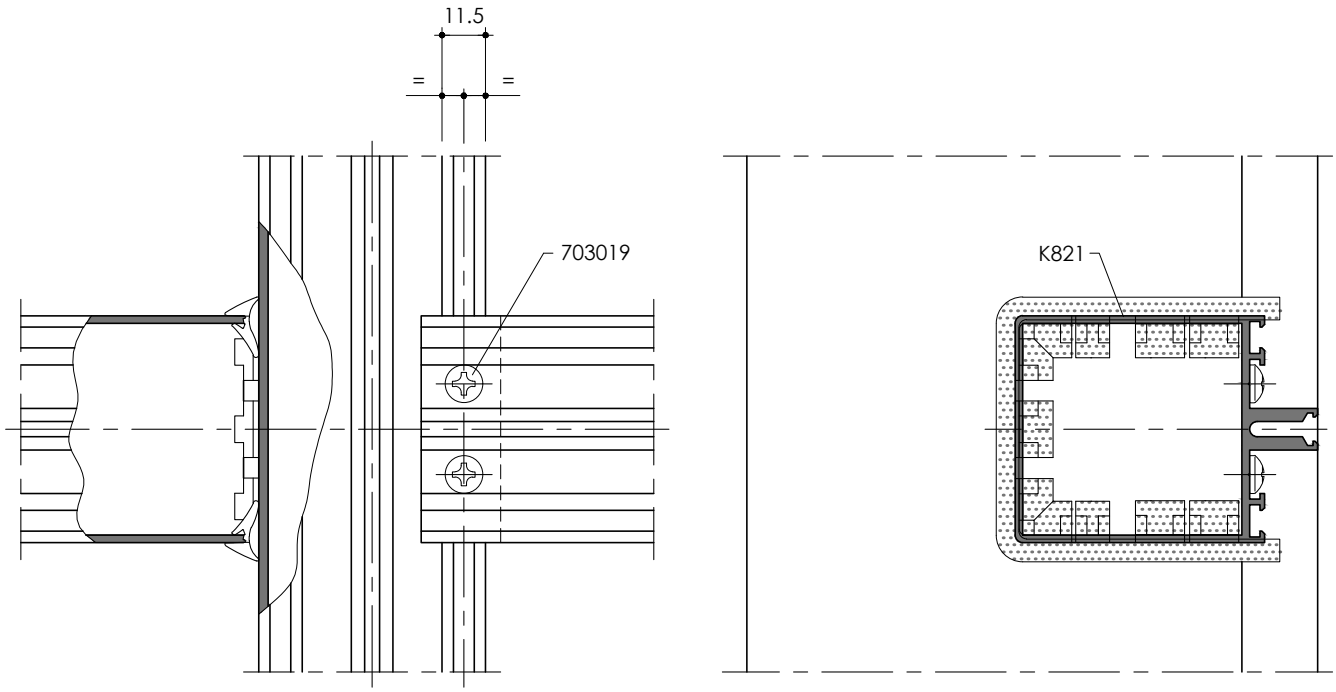
ESEGUIRE LE ASOLE 4.8x7.5 CON PUNZONATRICE 909230
FOR 4.8x7.5 SLOTTED HOLES USE 909230 BLANKING MACHINE

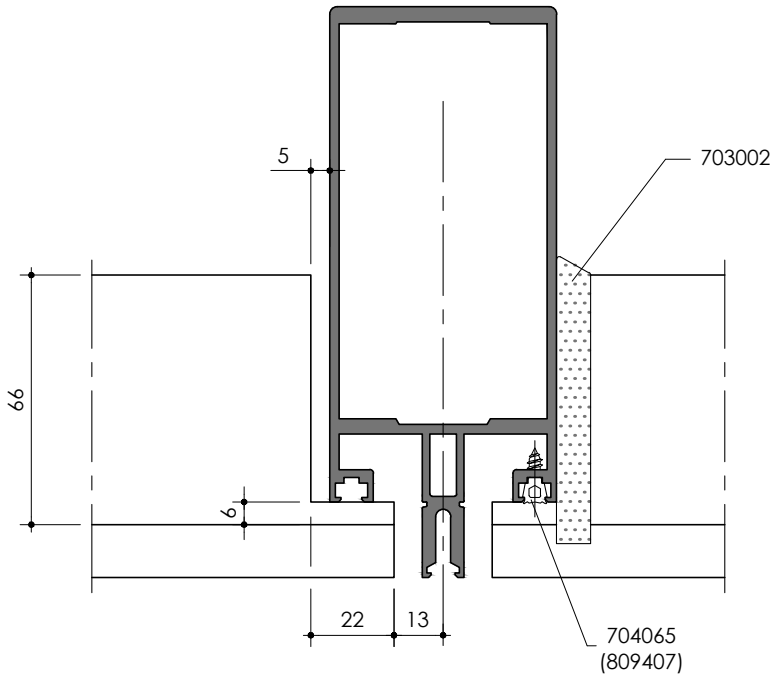
ESEGUIRE LA SPALLATURA DEL TRAVERSO CON TRANCIANTE 909329
EXECUTE MILLING ON TRANSOM USING 909329 MILLING CUTTER

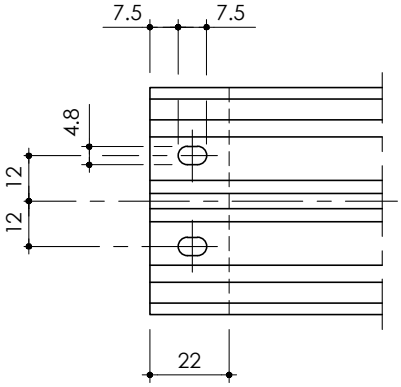
Portata max traverso senza mensole Kg 90.
Verificare l'inflessione del traverso come indicato a pag.1.30

Max transom load without support is 90 Kg.
Calculate transom deflection according to pag. 1.30

SCHEMA DI ASSEMBLAGGIO MONTANTE E TRAVERSO K821 SENZA MENSOLA
MULLION AND K821 TRANSOM WITHOUT BRACKET ASSEMBLING DIAGRAM







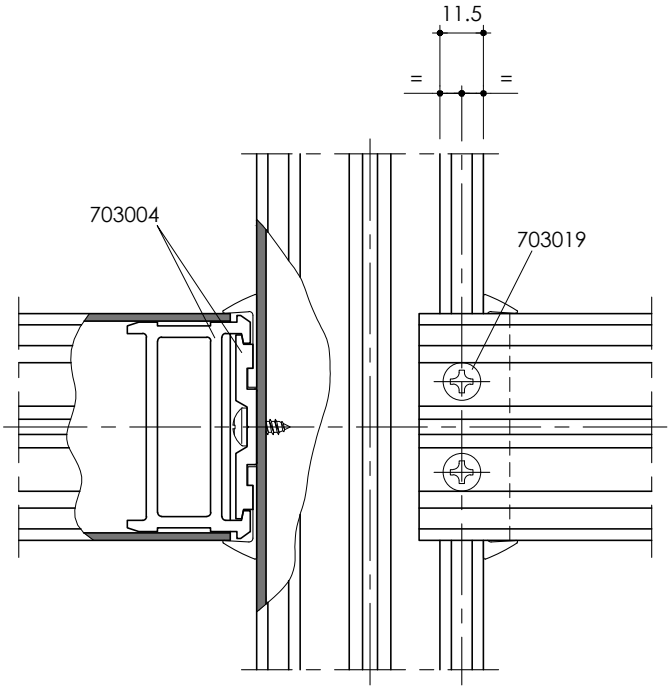
ESEGUIRE LE ASOLE 4.8x7.5 CON PUNZONATRICE 909230
FOR 4.8x7.5 SLOTTED HOLES USE 909230 BLANKING MACHINE

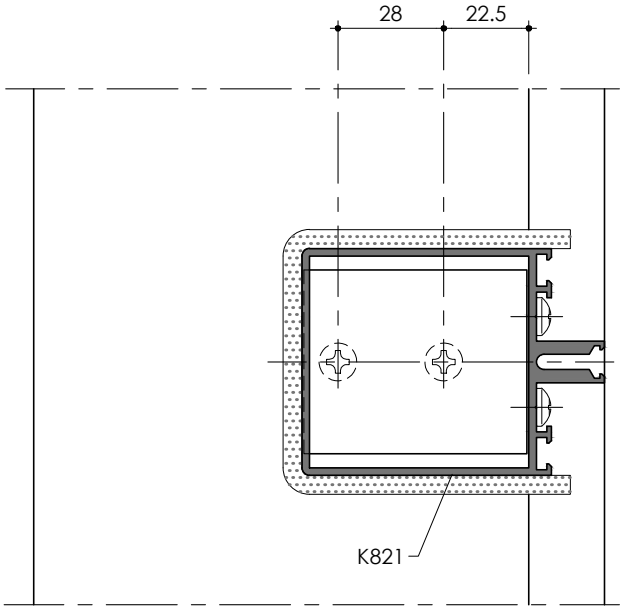
ESEGUIRE LA SPALLATURA DEL TRAVERSO CON TRANCIANTE 909329
EXECUTE MILLING ON TRANSOM USING 909329 MILLING CUTTER

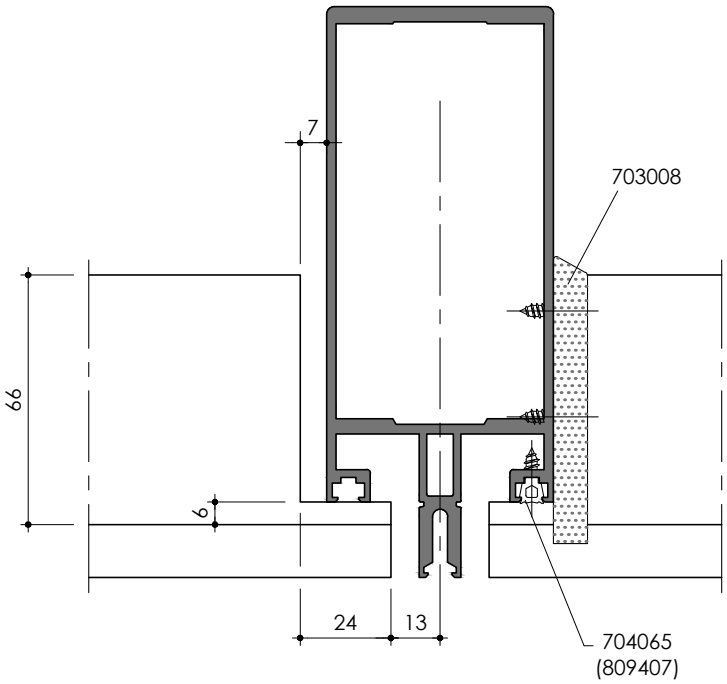
Portata max traverso senza mensole Kg 90.
Verificare l'inflessione del traverso come indicato a pag.1.30

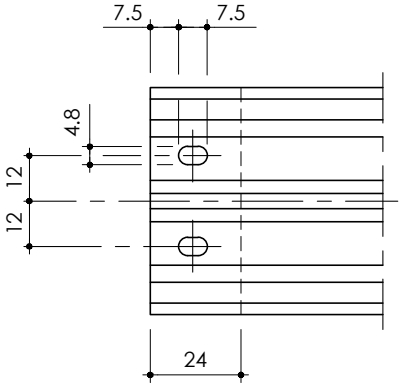
Max transom load without support is 90 Kg.
Calculate transom deflection according to pag. 1.30

SCHEMA DI ASSEMBLAGGIO MONTANTE E TRAVERSO K821 CON MENSOLA A CASSETTO
MULLION AND K821 TRANSOM WITH SLIDING BRACKET ASSEMBLING DIAGRAM







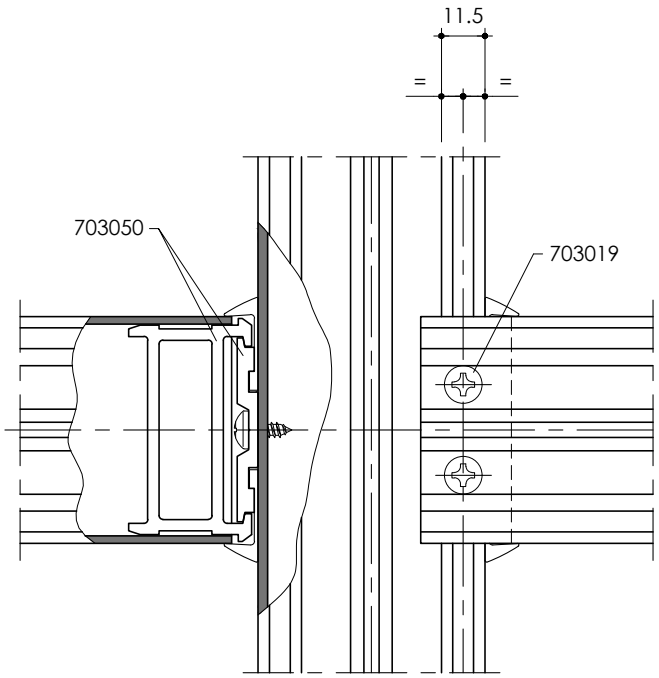


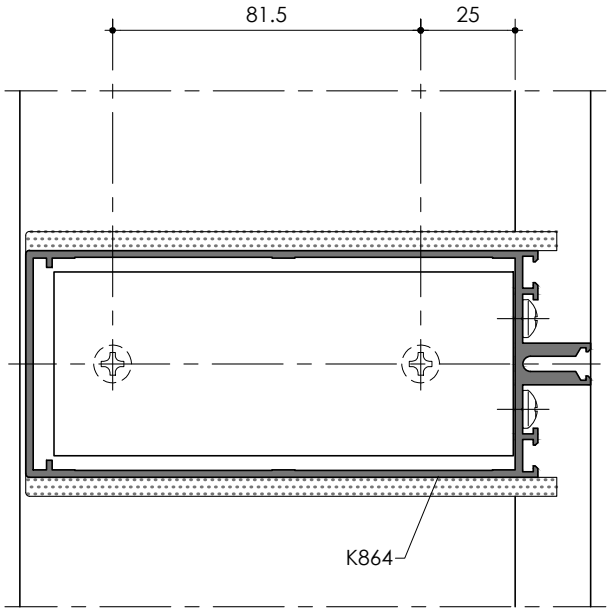
ESEGUIRE LE ASOLE 4.8x7.5 CON PUNZONATRICE 909230
FOR 4.8x7.5 SLOTTED HOLES USE 909230 BLANKING MACHINE

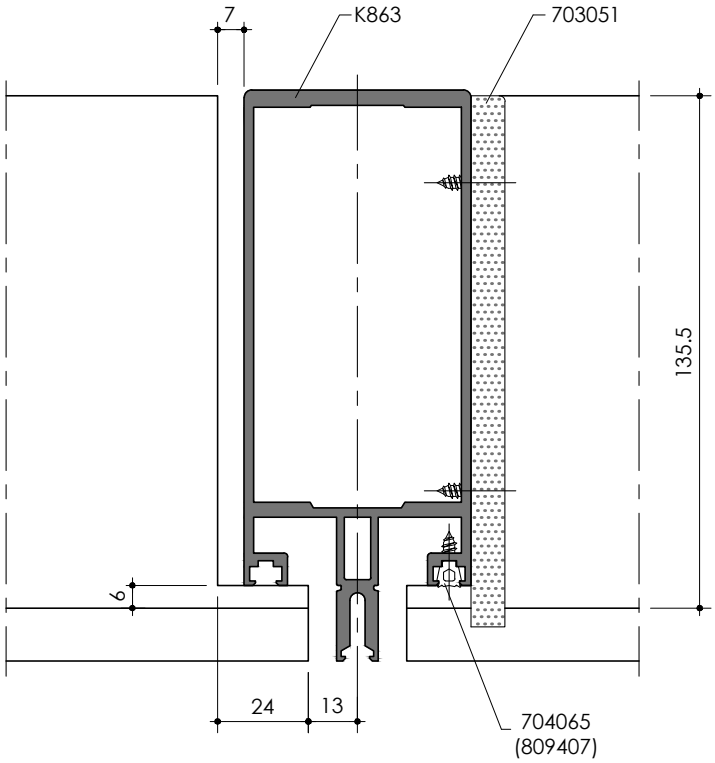
ESEGUIRE LA SPALLATURA DEL TRAVERSO CON TRANCIANTE 909329
EXECUTE MILLING ON TRANSOM USING 909329 MILLING CUTTER

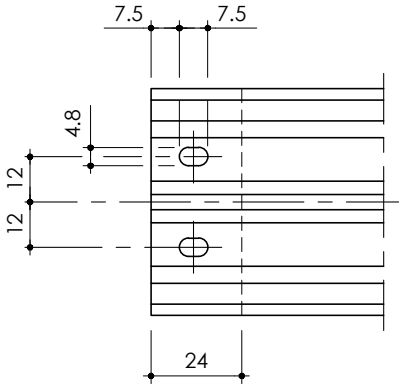
SCHEMA DI ASSEMBLAGGIO MONTANTE K863 E TRAVERSO K864 CON MENSOLA A CASSETTO

K863 MULLION AND K864 TRANSOM WITH SLIDING BRACKET ASSEMBLING DIAGRAM







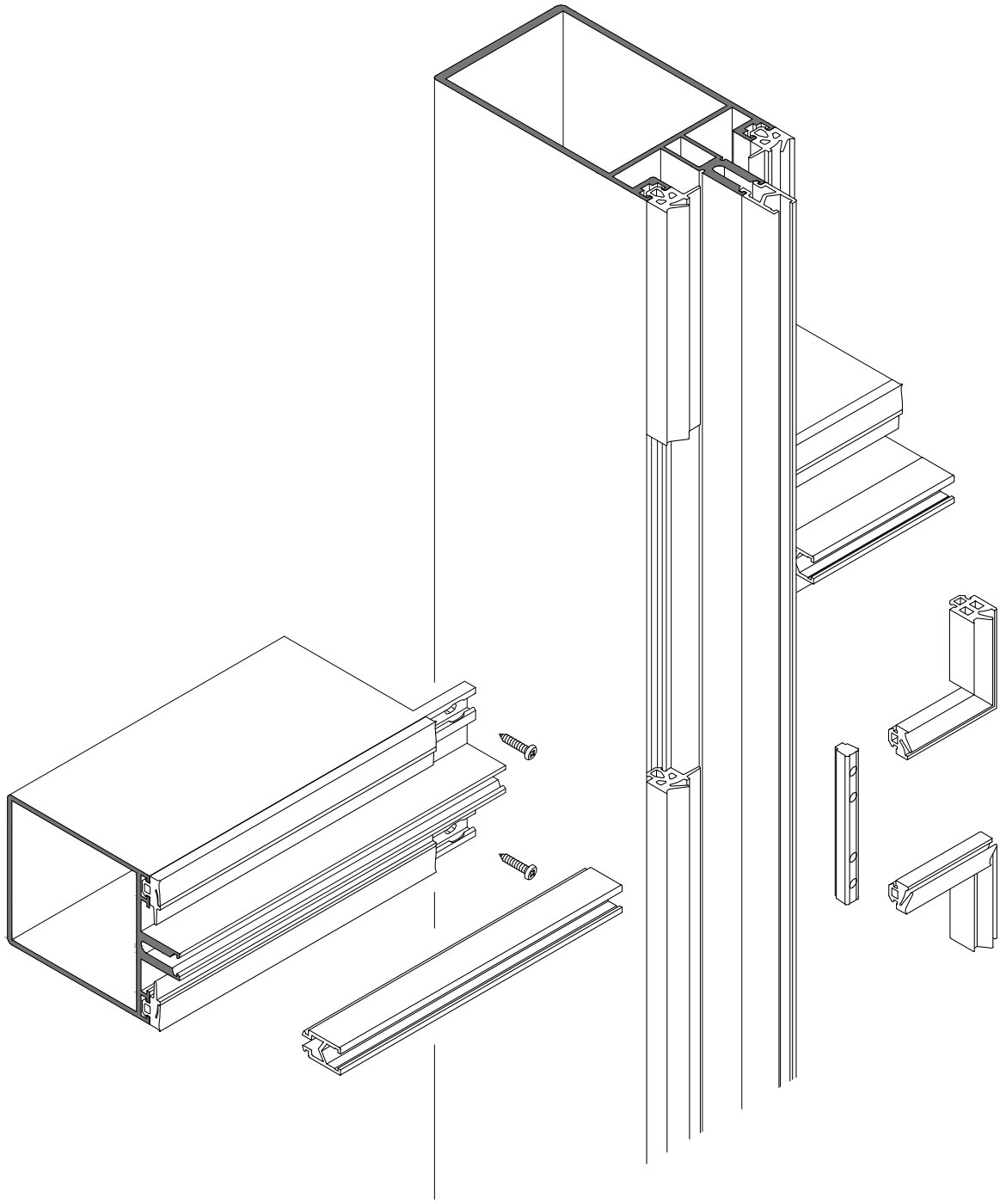


ESEGUIRE LE ASOLE 4.8x7.5 CON PUNZONATRICE 909230
FOR 4.8x7.5 SLOTTED HOLES USE 909230 BLANKING MACHINE

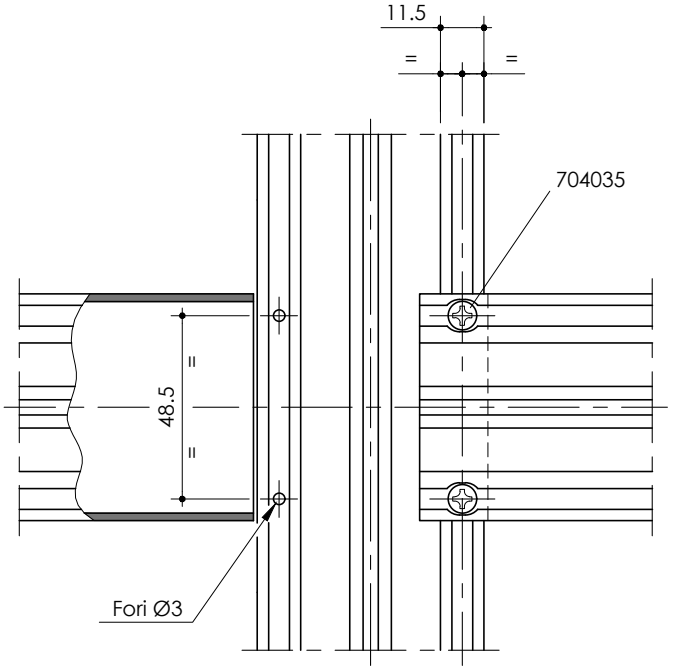
ESEGUIRE LA SPALLATURA DEL TRAVERSO CON TRANCIANTE 909329
EXECUTE MILLING ON TRANSOM USING 909329 MILLING CUTTER

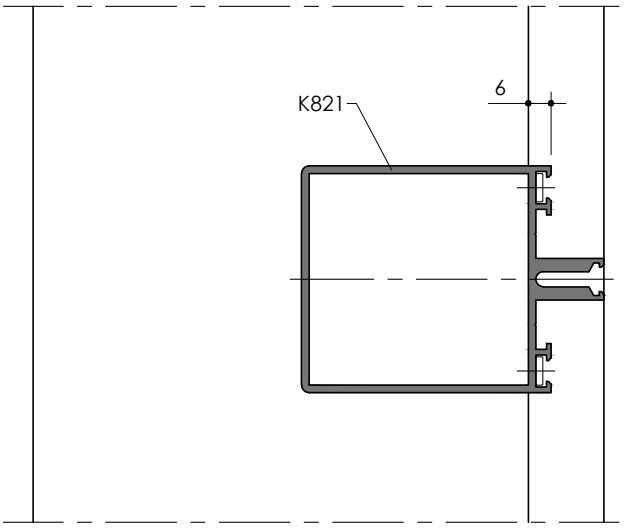
VISTA ESPLOSA DEL SISTEMA CON VITI DI FISSAGGIO TRAVERSO IN CAVA GUARNIZIONE

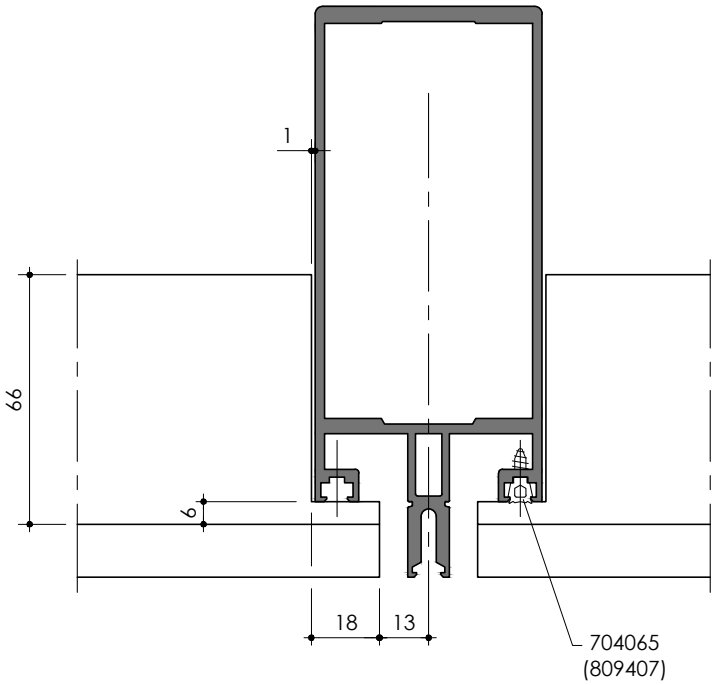
EXPLODED VIEW OF SYSTEM WITH TRANSOM FIXING SCREWS INTO GASKET CAVITY

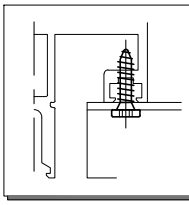


SCHEMA DI ASSEMBLAGGIO MONTANTE E TRAVERSO K821 SENZA MENSOLA E SENZA FLANGIA CON VITI IN CAVA GUARNIZIONE
MULLION AND K821 TRANSOM WITHOUT FLANGE AND BRACKET ASSEMBLING DIAGRAM WITH SCREWS INTO GASKET CAVITY



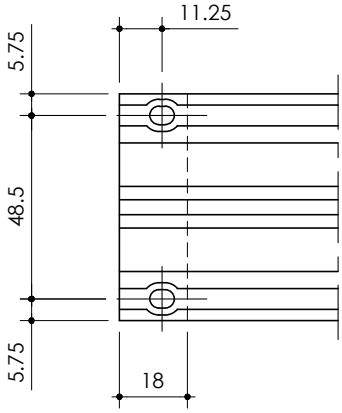




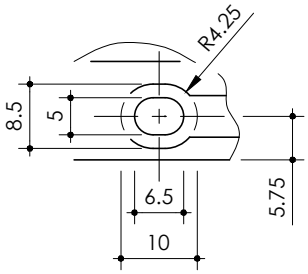


VITE AUTOFILETTANTE 704035
coppia di serraggio 4÷5 Nm

704035 SELF-THREADING SCREW
Tightening torque 4÷5 Nm



ESEGUIRE SPALLATURA E ASOLE CON PUNZONATRICE 909329
EXECUTE MILLING AND SLOTTED HOLES USING 909329 MILLING CUTTER

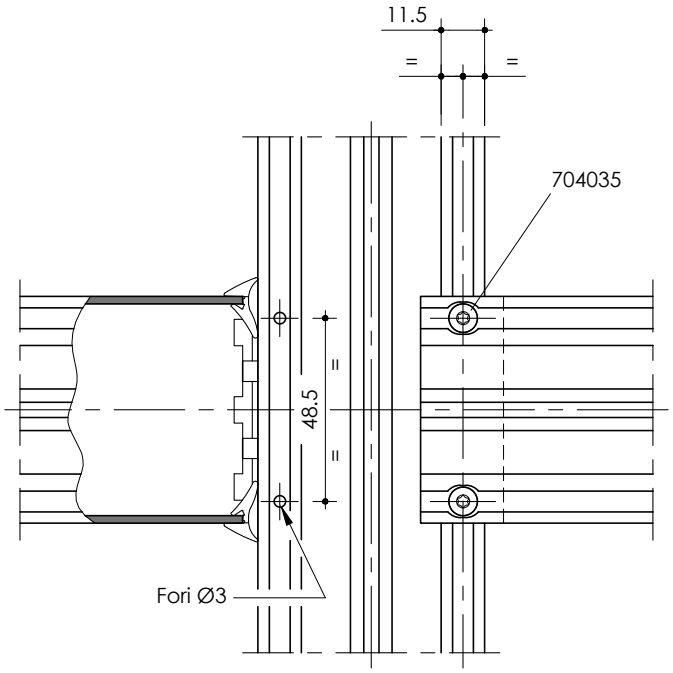


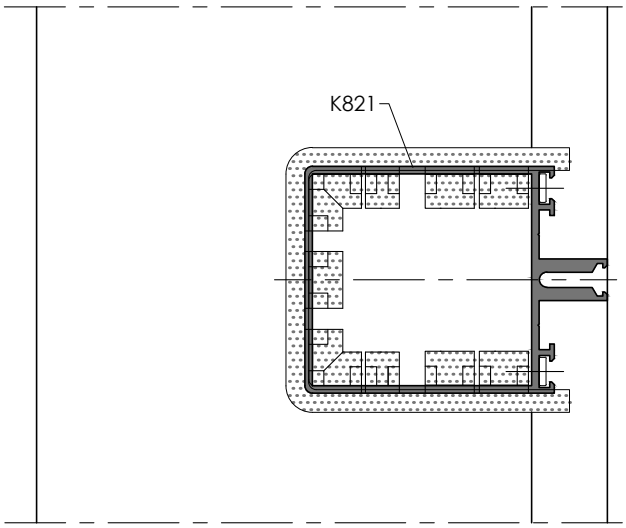
Portata max traverso senza mensole Kg 100.
Verificare l'inflessione del traverso come indicato a pag.1.30

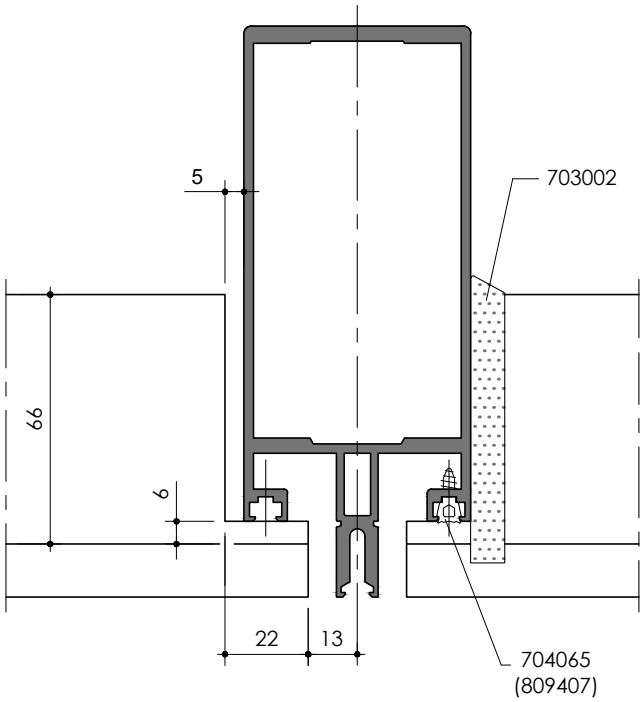
Max transom load without support is 100 Kg.
Calculate transom deflection according to pag. 1.30

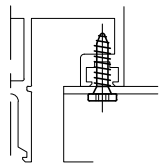
SCHEMA DI ASSEMBLAGGIO MONTANTE E TRAVERSO K821 SENZA MENSOLA CON VITI IN CAVA GUARNIZIONE

MULLION AND K821 TRANSOM WITHOUT BRACKET ASSEMBLING DIAGRAM WITH SCREWS INTO GASKET CAVITY



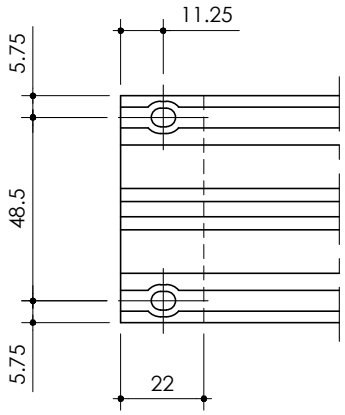




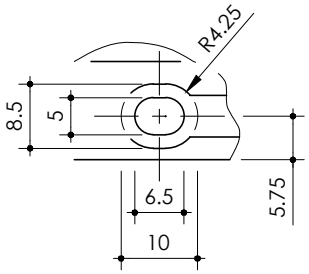


VITE AUTOFILETTANTE 704035
coppia di serraggio 4÷5 Nm

704035 SELF-THREADING SCREW
Tightening torque 4÷5 Nm



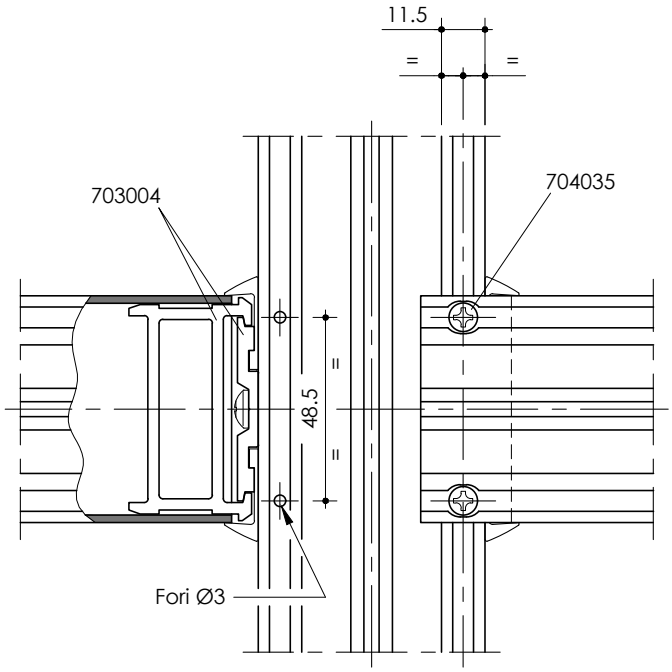
ESEGUIRE SPALLATURA E ASOLE CON PUNZONATRICE 909329
EXECUTE MILLING AND SLOTTED HOLES USING 909329 MILLING CUTTER

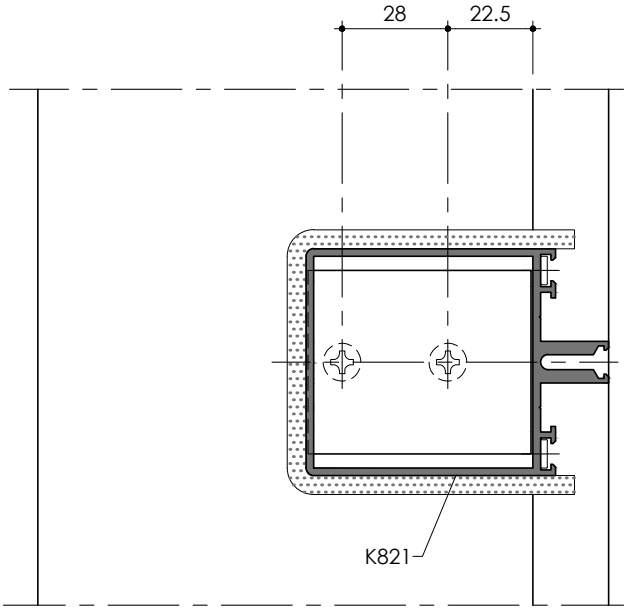


Portata max traverso senza mensole Kg 100.
Verificare l'inflessione del traverso come indicato a pag.1.30

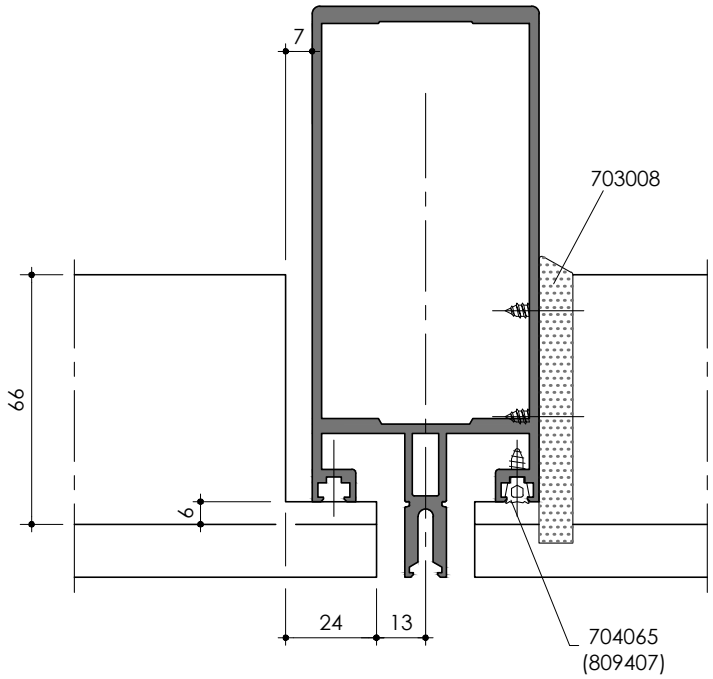
Max transom load without support is 100 Kg.
Calculate transom deflection according to pag. 1.30

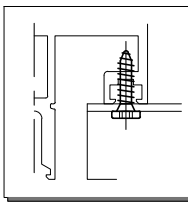
SCHEMA DI ASSEMBLAGGIO MONTANTE E TRAVERSO K821 CON MENSOLA A CASSETTO CON VITI IN CAVA GUARNIZIONE
MULLION AND K821 TRANSOM WITH SLIDING BRACKET ASSEMBLING DIAGRAM WITH SCREWS INTO GASKET CAVITY





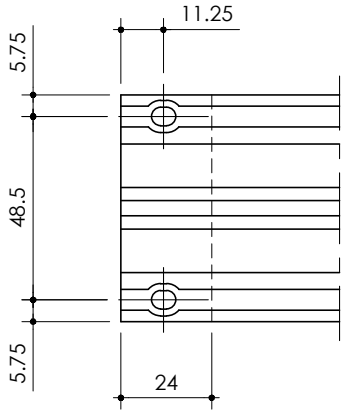
ESEGUIRE LA FORATURA DEI MONTANTI CON DIMA 909186
USE 909186 TEMPLATE TO DRILL MULLION HOLES





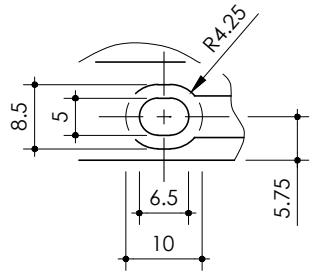
VITE AUTOFILETTANTE 704035
coppia di serraggio 4÷5 Nm

704035 SELF-THREADING SCREW
Tightening torque 4÷5 Nm

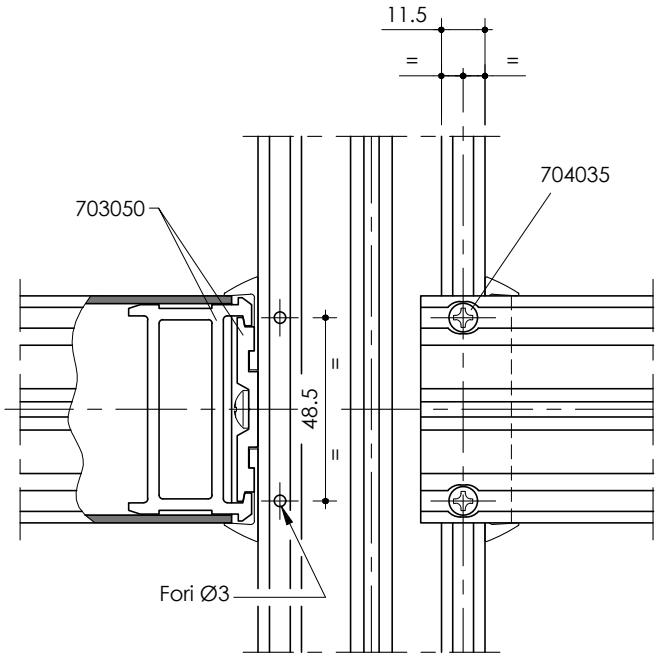


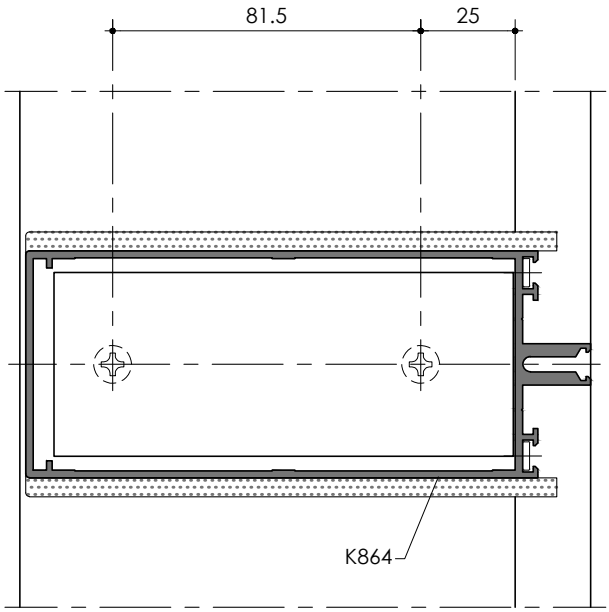
ESEGUIRE SPALLATURA E ASOLE CON
PUNZONATRICE 909329

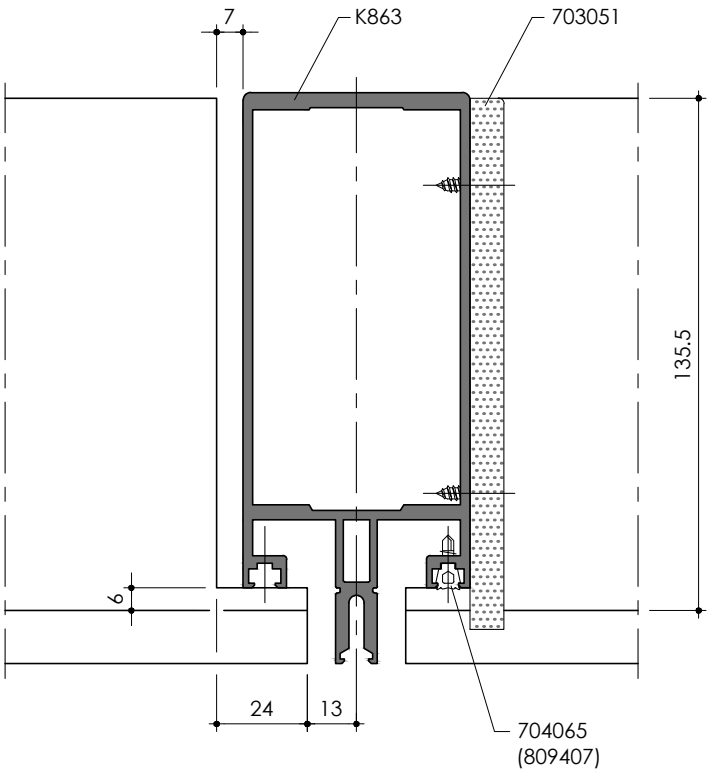
EXECUTE MILLING AND SLOTTED HOLES
USING 909329 MILLING CUTTER

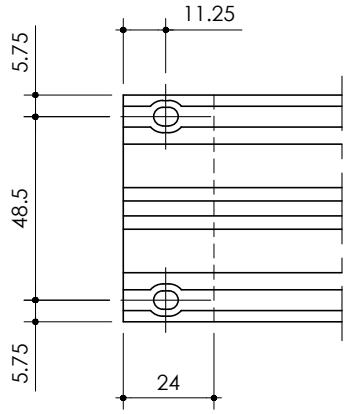


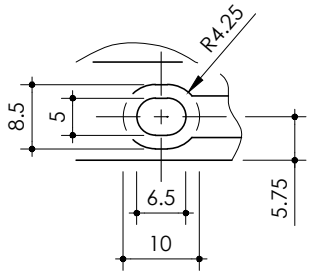
SCHEMA DI ASSEMBLAGGIO MONTANTE K863 E TRAVERSO K864
MENSOLA A CASSETTO CON VITI IN CAVA GUARNIZIONE
K863 MULLION AND K864 TRANSOM WITH SLIDING BRACKET ASSEMBLING DIAGRAM WITH SCREWS INTO GASKET CAVITY







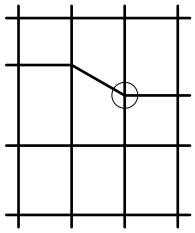


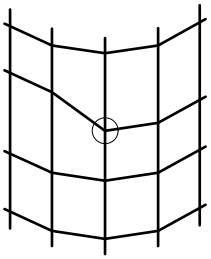


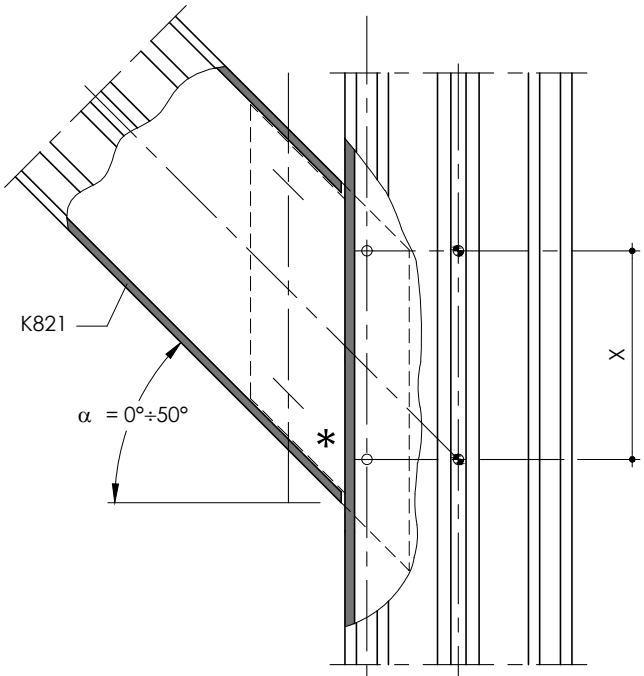
ESEGUIRE SPALLATURA E ASOLE CON PUNZONATRICE 909329

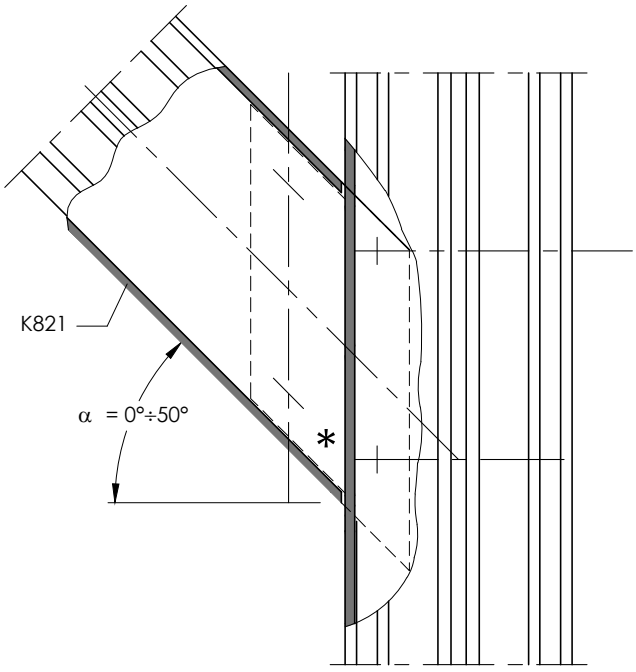
EXECUTE MILLING AND SLOTTED HOLES USING 909329 MILLING CUTTER

SCHEMA DI ASSEMBLAGGIO MONTANTE CON TRAVERSI INCLINATI
ASSEMBLY DIAGRAM FOR MULLION WITH SLOPING TRANSOMS

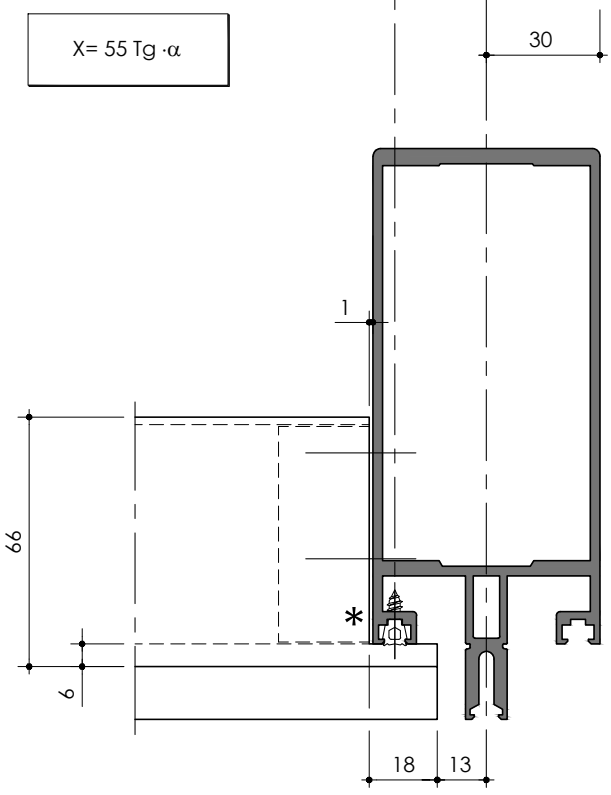


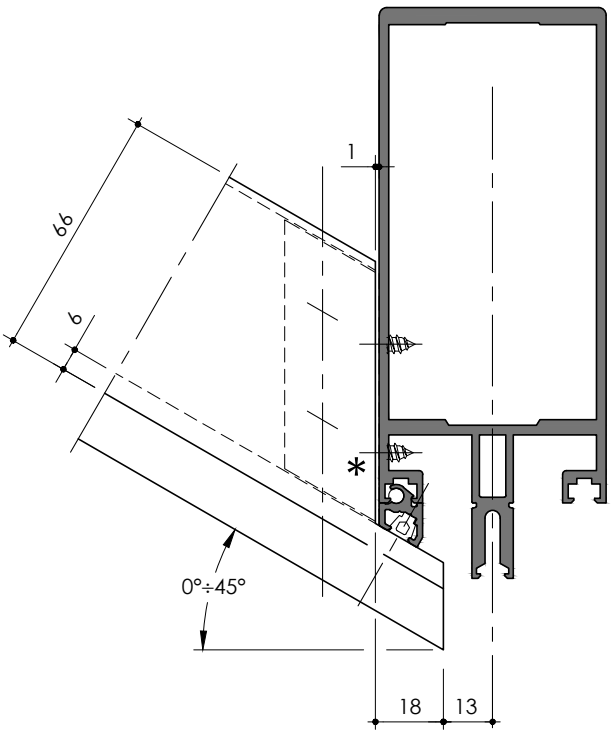






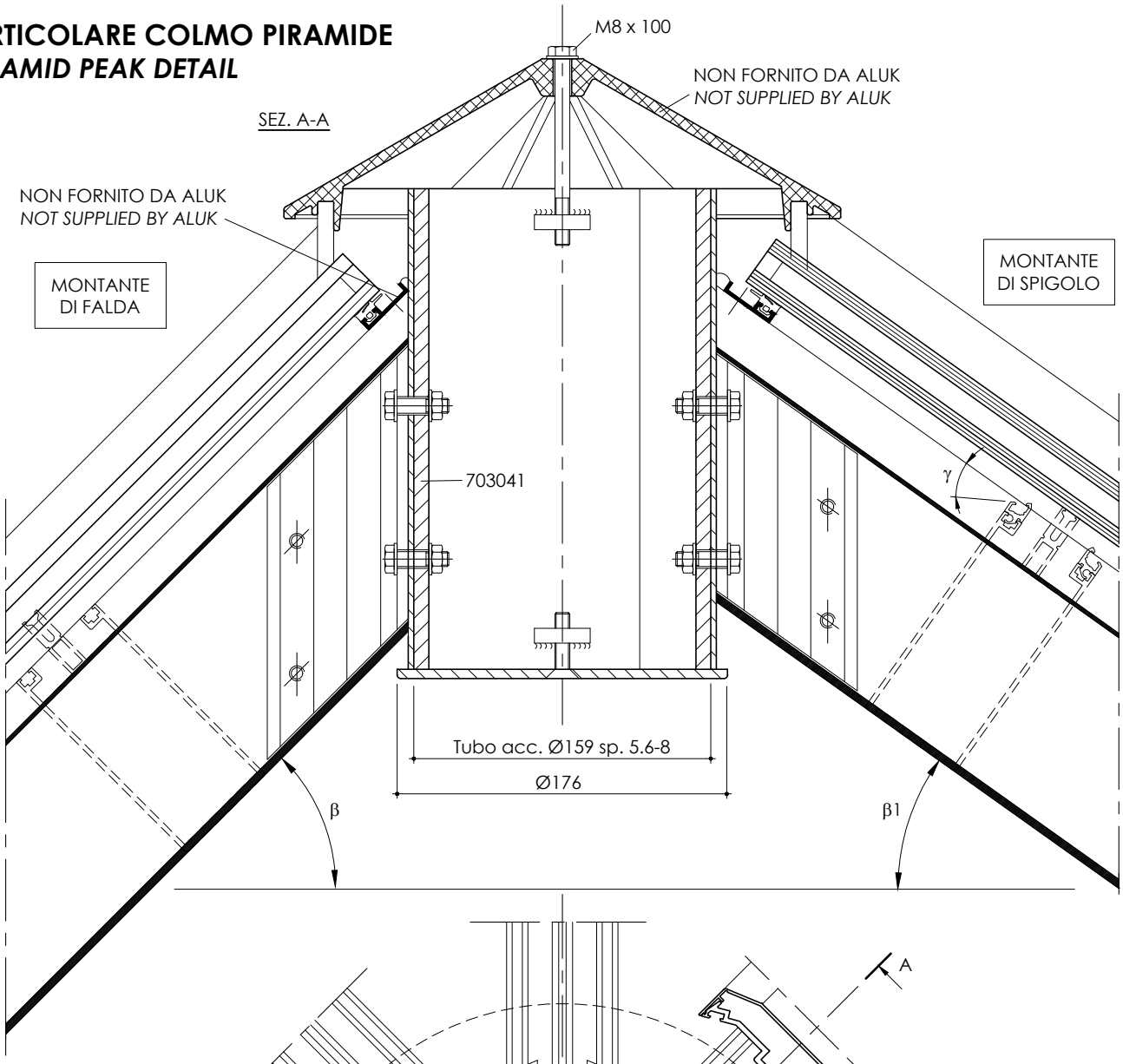
X= 55 Tg ·α

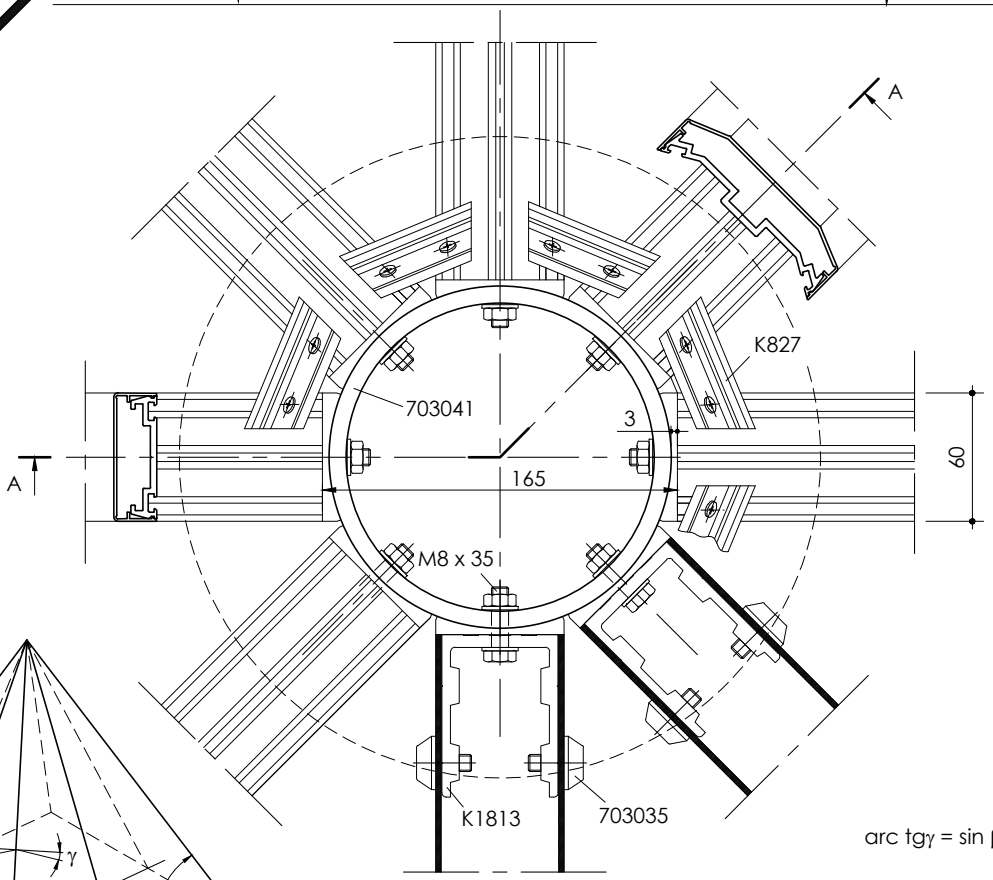


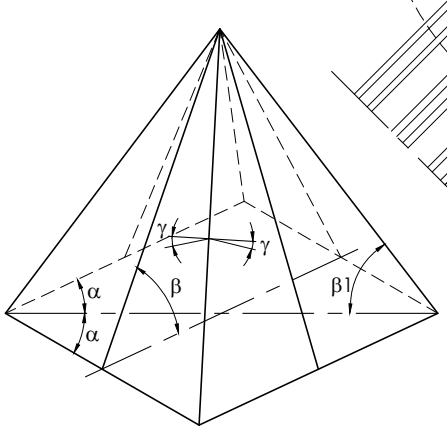


* PIASTRA SAGOMATA IN ALLUMINIO DA DEFINIRE SU PROGETTO - NON FORNITA DA ALUK (portata traverso 100 Kg)
SHAPED ALUMINIUM PLATE TO BE DEFINED ON PROJECT - NOT SUPPLIED BY ALUK (the transom capacity is 100 Kg)

PARTICOLARE COLMO PIRAMIDE
PYRAMID PEAK DETAIL







arc tgγ = sin β1/tgα

α = angolo riferito al poligono di base

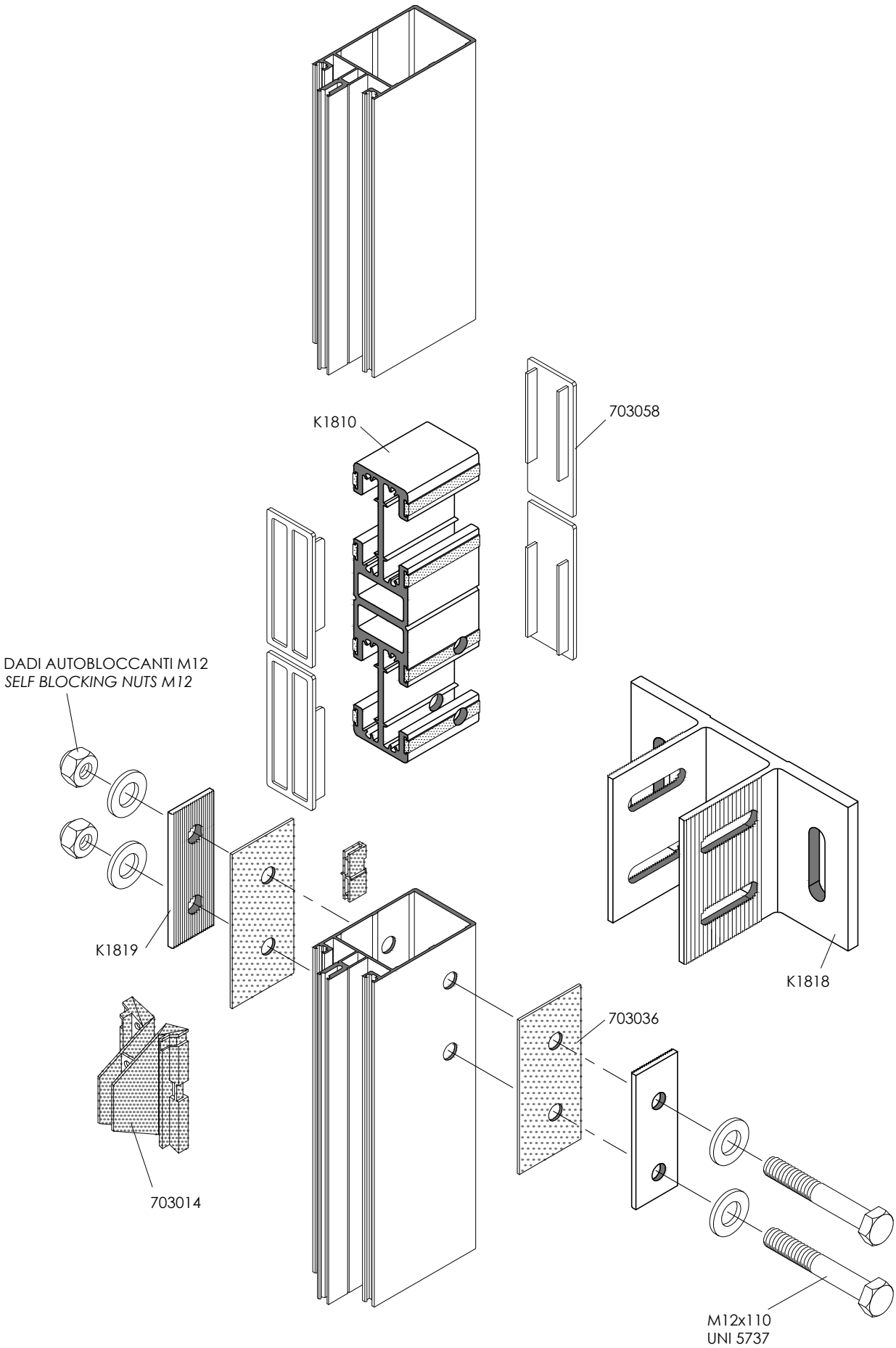
$$\alpha = \left(180° - \frac{360°}{\text{n.lati}}\right) : 2$$

β = angolo di inclinazione della falda

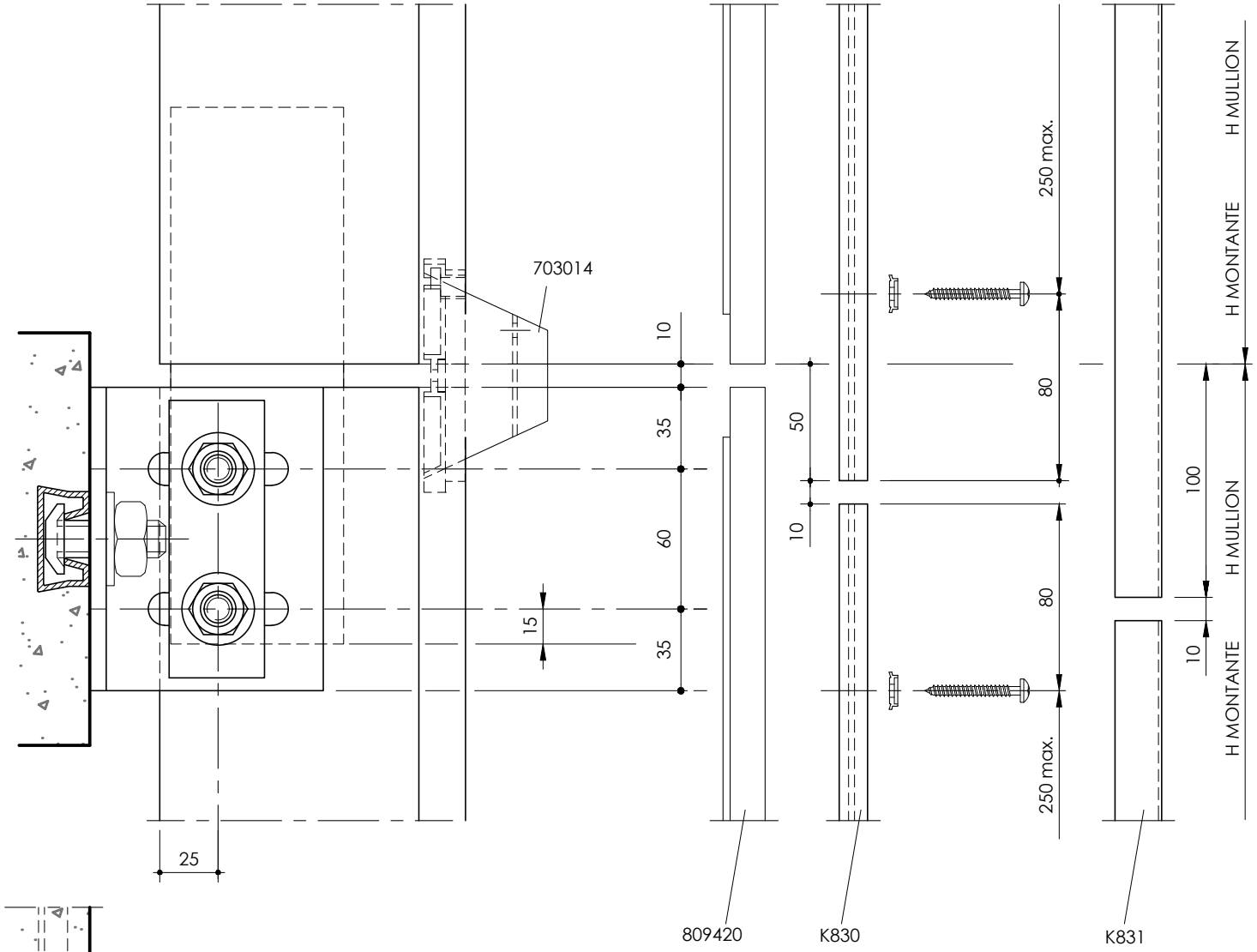
β1= inclinazione montante d'angolo

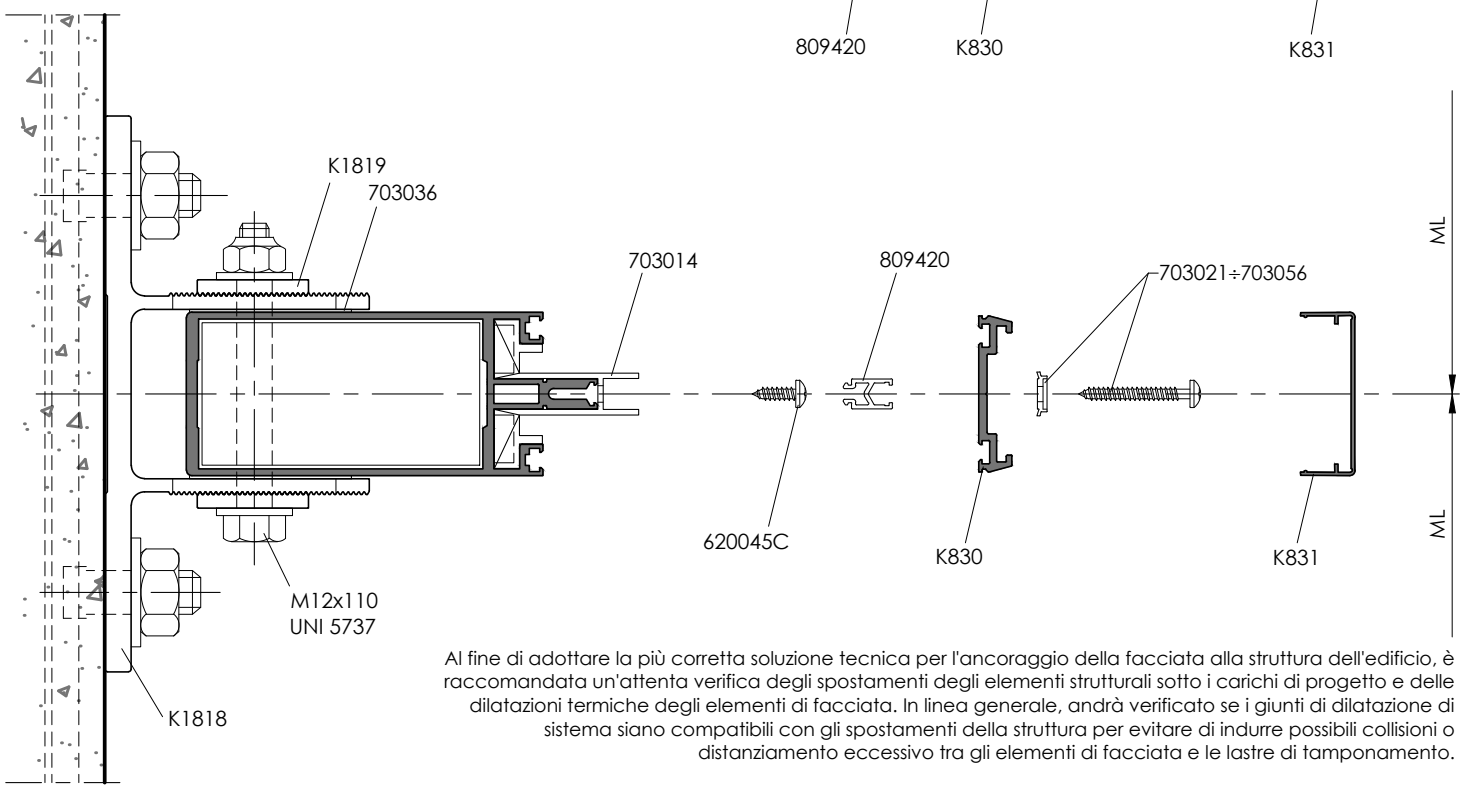
γ = inclinazione profilo aggiuntivo del montante d'angolo

VISTA ESPLOSA GIUNTO DI DILATAZIONE
EXPLODED VIEW OF EXPANSION JOINT



ATTACCO MONTANTE CON GIUNTO DI DILATAZIONE
MULLION ANCHORING WITH EXPANSION JOINT

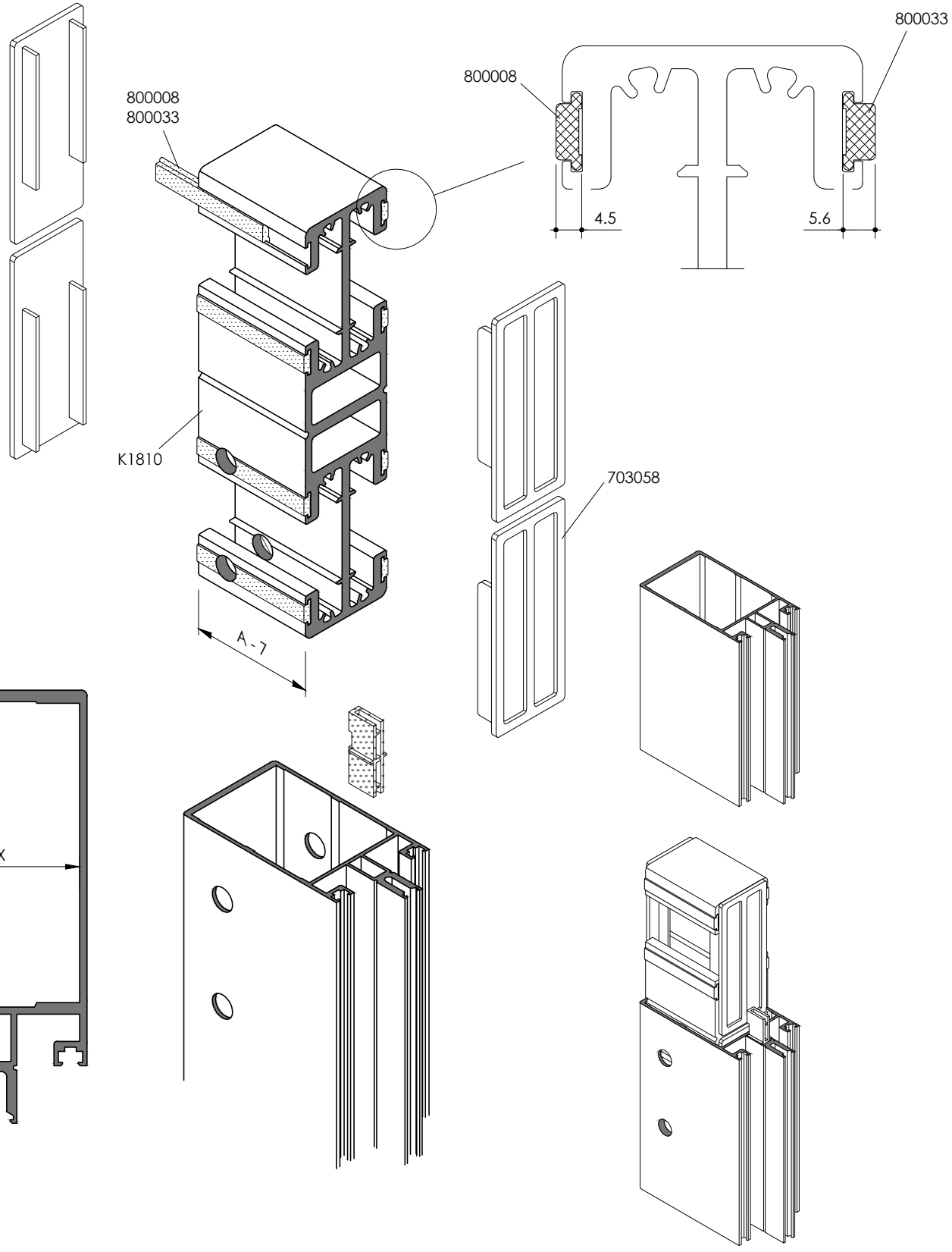




Al fine di adottare la più corretta soluzione tecnica per l'ancoraggio della facciata alla struttura dell'edificio, è raccomandata un'attenta verifica degli spostamenti degli elementi strutturali sotto i carichi di progetto e delle dilatazioni termiche degli elementi di facciata. In linea generale, andrà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

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.

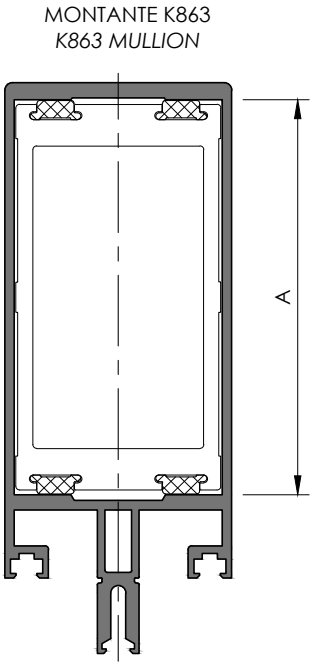
GIUNTO DI DILATAZIONE K1810 PER MONTANTE
K 1810 EXPANSION JOINT FOR MULLIONS

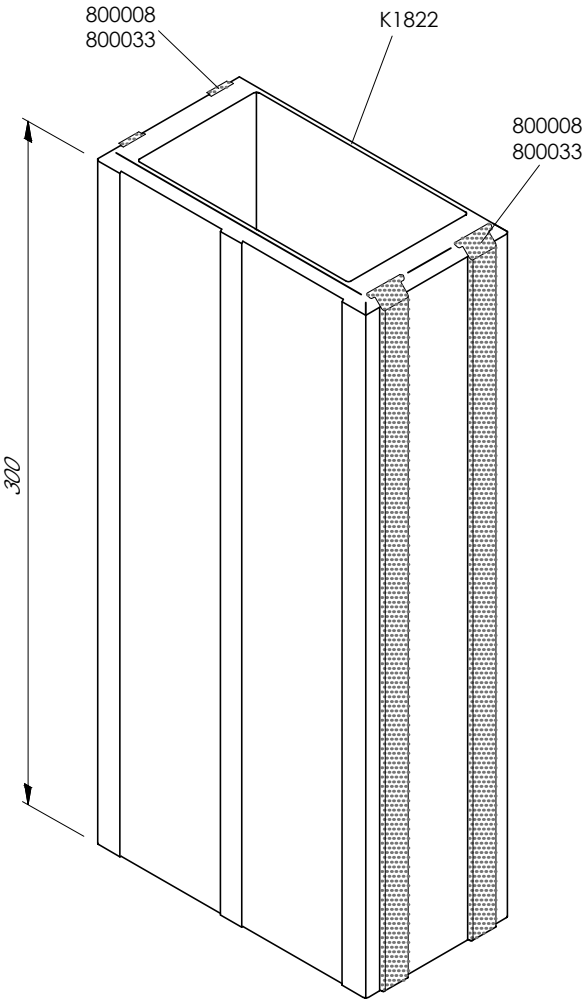


La quota "X" dovrà essere stabilita in funzione della dimensione interna del montante.
A tale scopo si dovranno impiegare le barrette antifrizione art. 800008/800033 più idonee per realizzare un accoppiamento preciso, ma nel contempo libero allo scorrimento tra giunto e montante.
Le barrette antifrizione dovranno essere bloccate nella propria sede prima del montaggio del giunto.

The "X" value shall be calculed according to internal size mullion.
To this purpose, you'll have to use the most suitable art. 800008/800033 anti-friction bars to have a correct joining, but at the same time, allowing a free sliding between joint and mullion.
Anti-friction bars shall be fixed before joint assembling

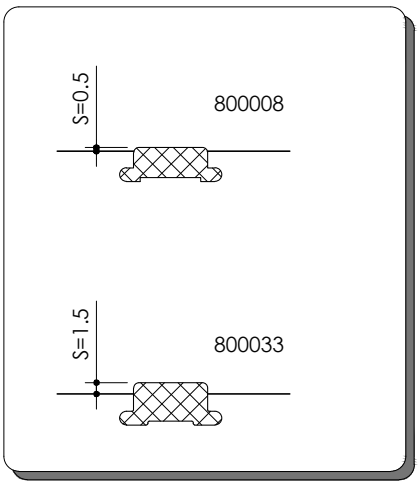
GIUNTO DI DILATAZIONE K1822 PER MONTANTE K863
K1822 EXPANSION JOINT FOR K863 MULLION



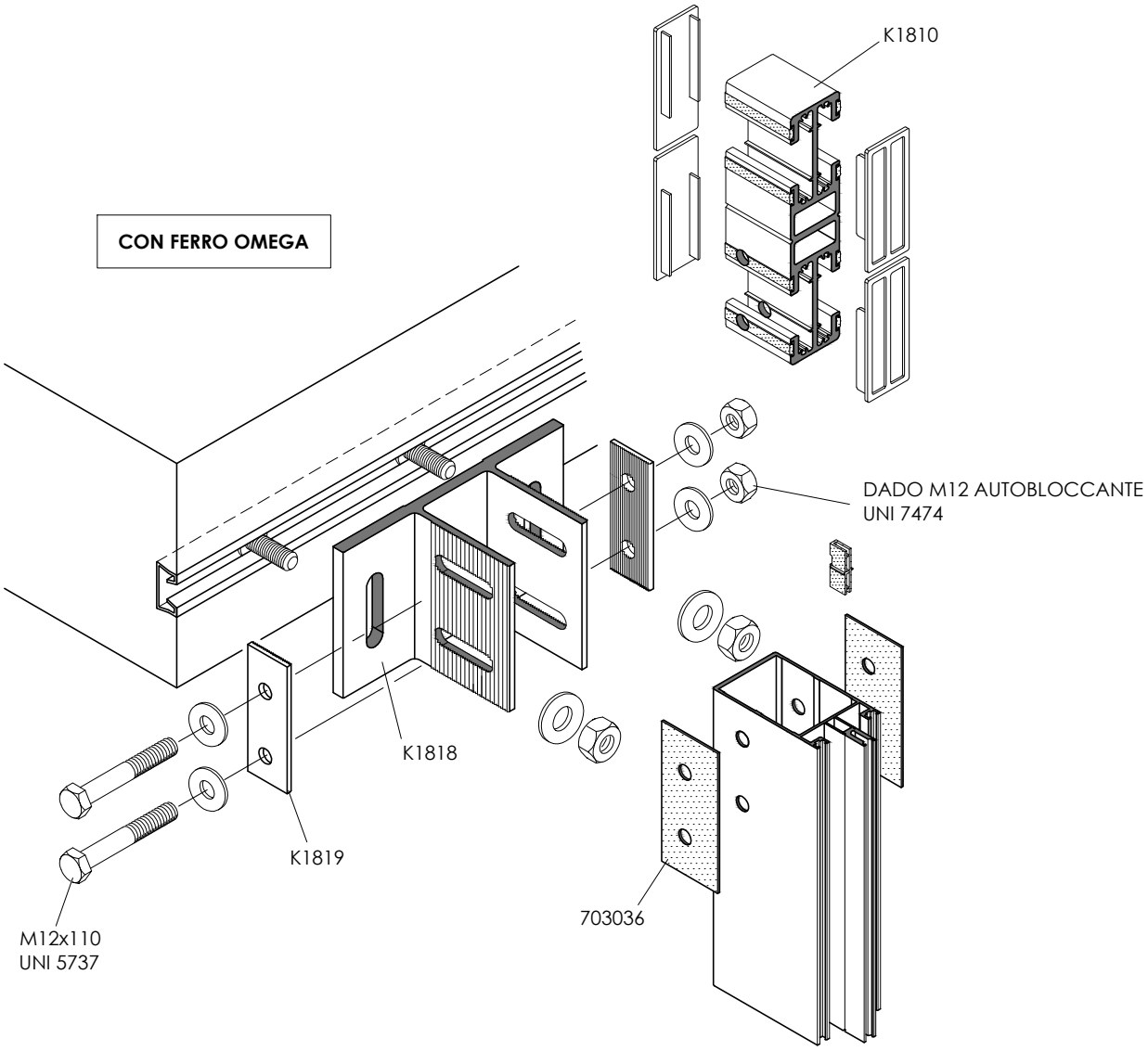


La quota "A" dovrà essere stabilita in funzione della dimensione interna del montante K 863 che potrà variare da 104 a 105.1 mm.
A tale scopo si dovranno impiegare le barrette antifrizione art. 800008/800033 più idonee per realizzare un accoppiamento preciso, ma nel contempo libero allo scorrimento tra giunto e montante.
Le barrette antifrizione dovranno essere bloccate nella propria sede prima del montaggio del giunto.

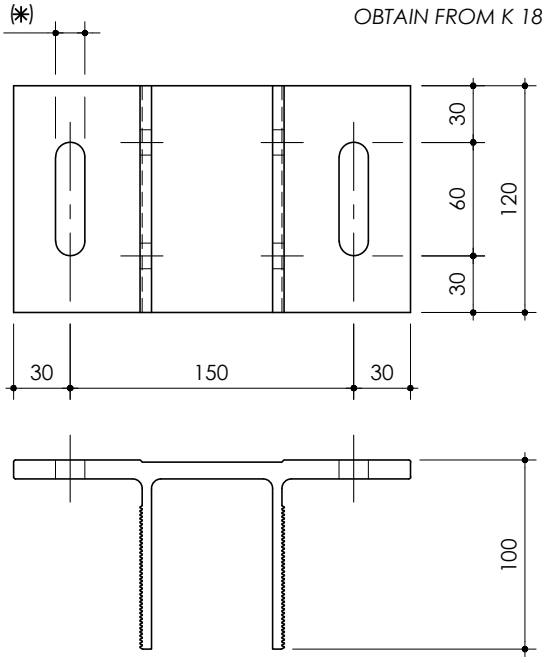
The "A" value shall be calculed according to internal size of K 863 mullion, which could vary from 104 to 105.1 mm.
To this purpose, you'll have to use the most suitable art. 800008/800033 anti-friction bars to have a correct joining, but at the same time, allowing a free sliding between joint and mullion.
Anti-friction bars shall be fixed before joint assembling.

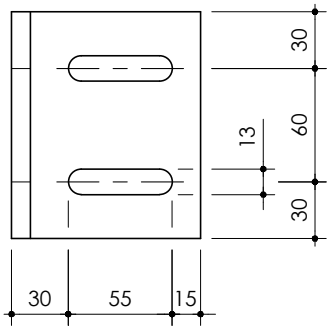


ATTACCO MONTANTE CON GIUNTO DI DILATAZIONE
MULLION ANCHORING WITH EXPANSION JOINT

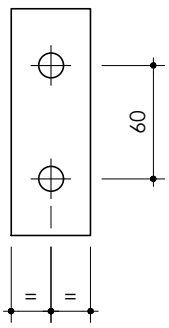


RICAVARE DA PROFILO K 1818
OBTAIN FROM K 1818 SECTION





RICAVARE DA PROFILO K 1819
OBTAIN FROM K 1819 SECTION

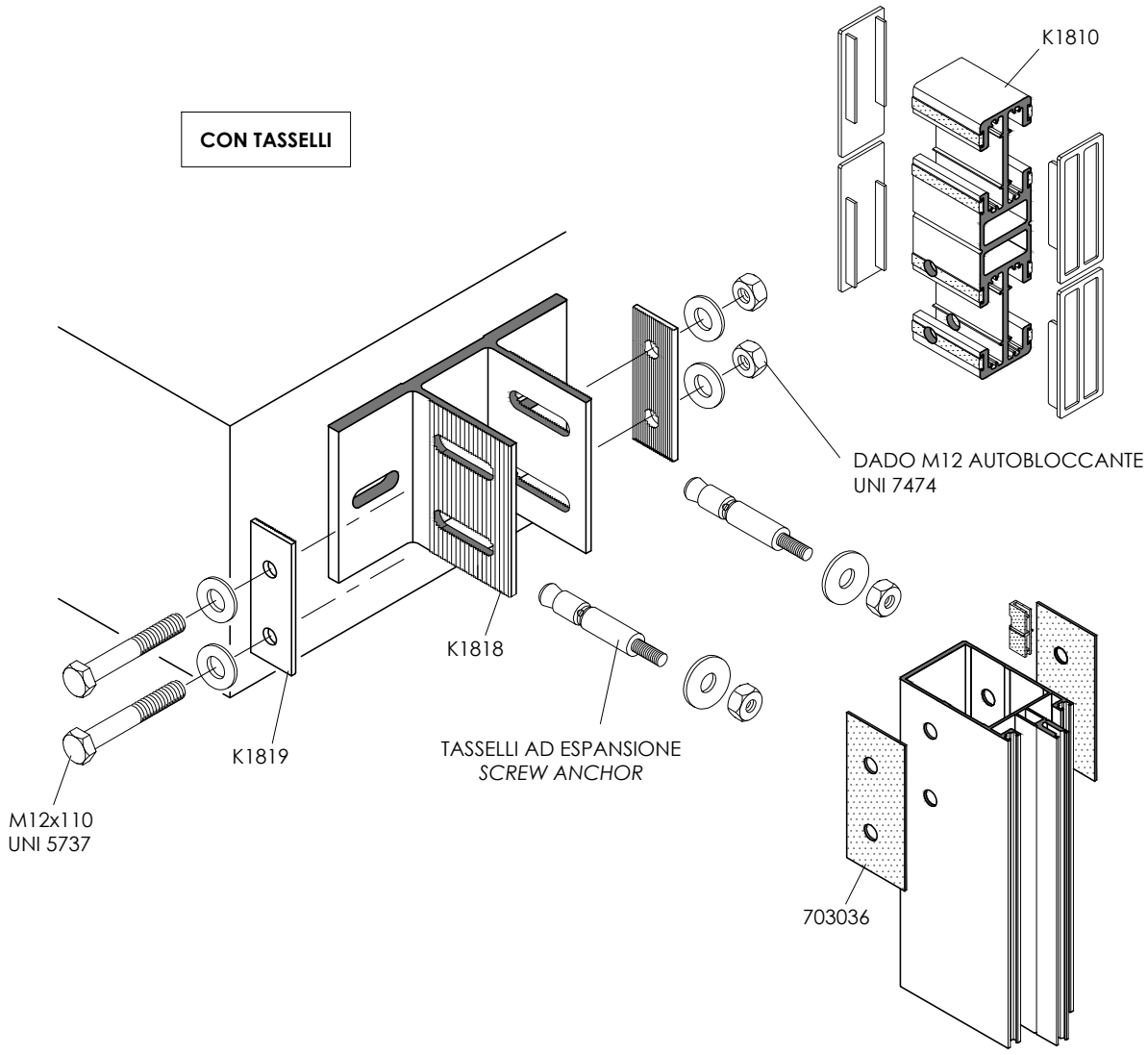


(*) LARGHEZZA ASOLA IN FUNZIONE DELLA VITE IMPIEGATA
SLOTTED HOLE WIDTH DEPENDING ON SCREW USED

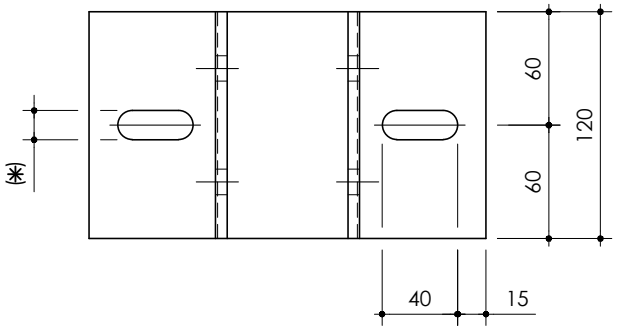
ATTACCO MONTANTE CON GIUNTO DI DILATAZIONE

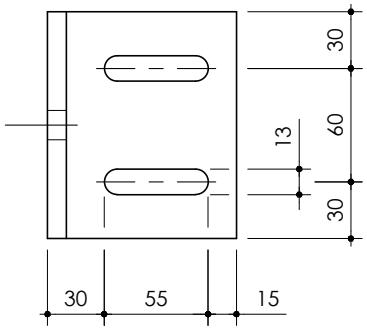
MULLION ANCHORING WITH EXPANSION JOINT

CON TASSELLI

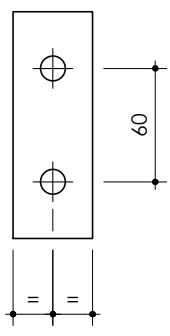


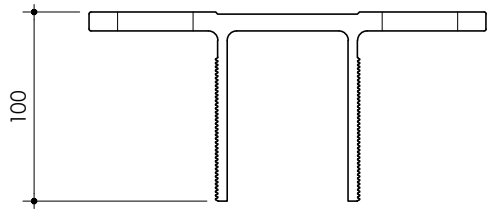
RICAVARE DA PROFILO K 1818
OBTAIN FROM K 1818 SECTION





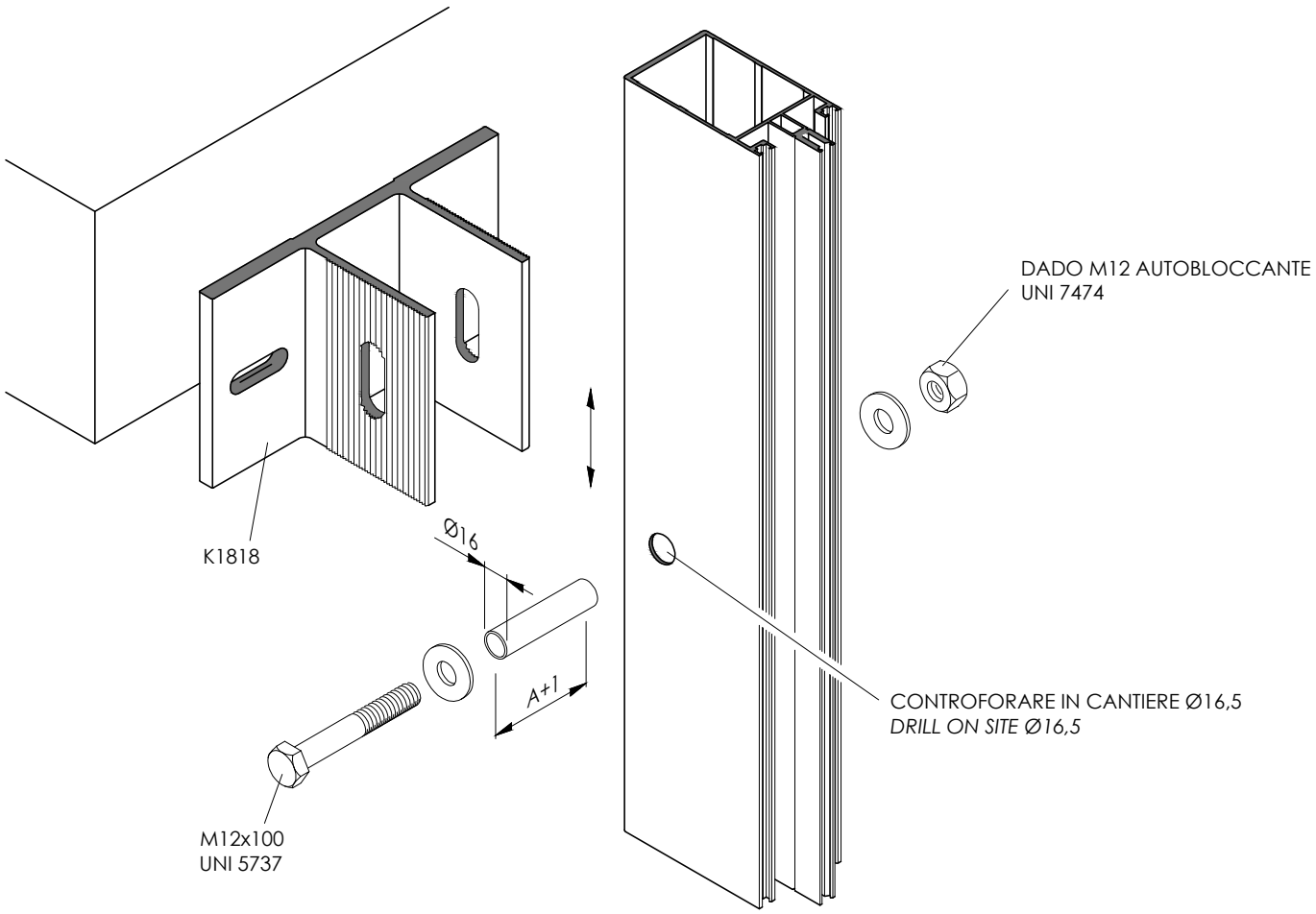
RICAVARE DA PROFILO K 1819
OBTAIN FROM K 1819 SECTION

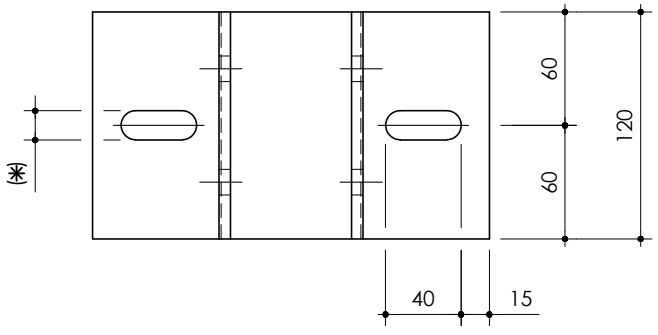


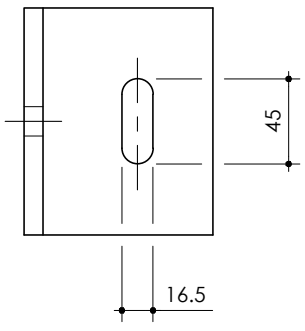


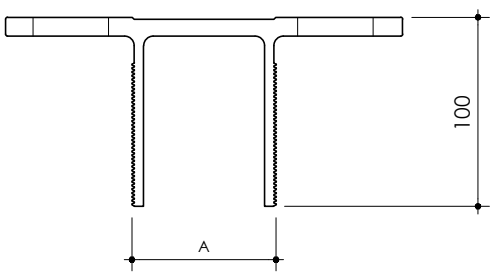
(*) LARGHEZZA ASOLA IN FUNZIONE DELLA VITE O TASSELLO IMPIEGATO
SLOTTED HOLE WIDTH DEPENDING ON SCREW OR ANCHORING USED

ATTACCO INTERMEDIO MONTANTE SUI DUE PIANI
CENTRAL ANCHORING FOR DOUBLE FLOOR HEIGHT MULLION









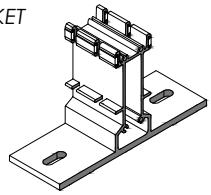
RICAVARE DA PROFILO K 1818
OBTAIN FROM K 1818 SECTION

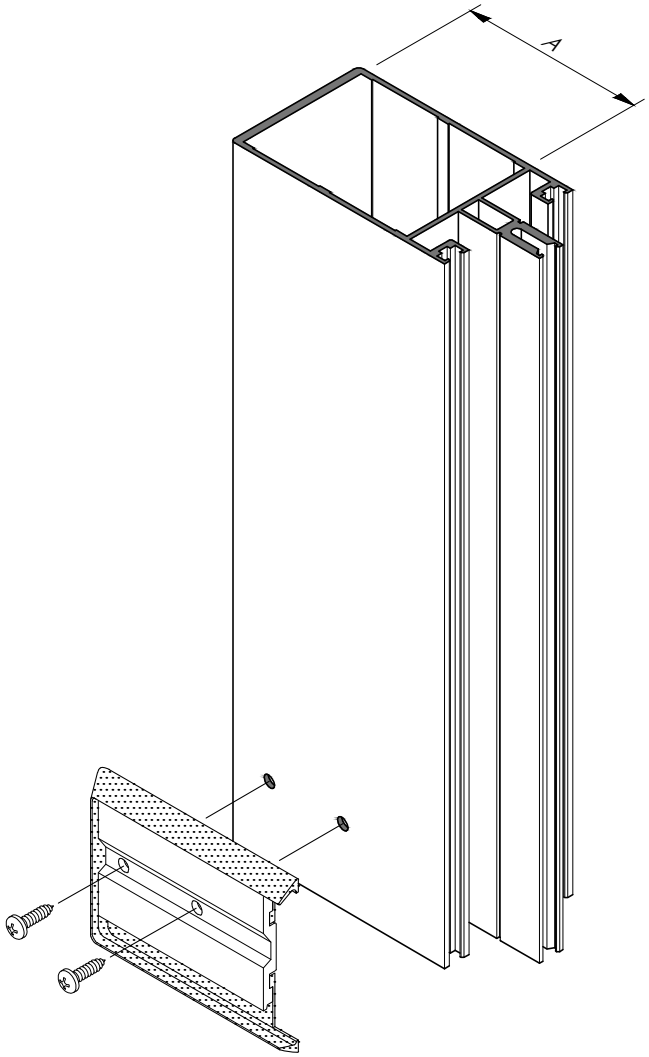
(*) LARGHEZZA ASOLA IN FUNZIONE DELLA VITE O TASSELLO IMPIEGATO
SLOTTED HOLE WIDTH DEPENDING ON SCREW OR ANCHORING USED

ATTACCO DI BASE MONTANTE
MULLION BASE ANCHORING

ATTENZIONE!
APPLICARE LE MENSOLE DEI TRAVERSI DOPO AVER INSERITO IL MONTANTE NELL'ATTACCO
OPPURE
FRESARE L'ATTACCO IN CORRISPONDENZA DELLE VITI

WARNING!
ASSEMBLING TRANSOM BRACKET AFTER INSERTING THE MULLION IN BASE ANCHORING
OR
MILL BASE ANCHORING MEETING THE SCREW

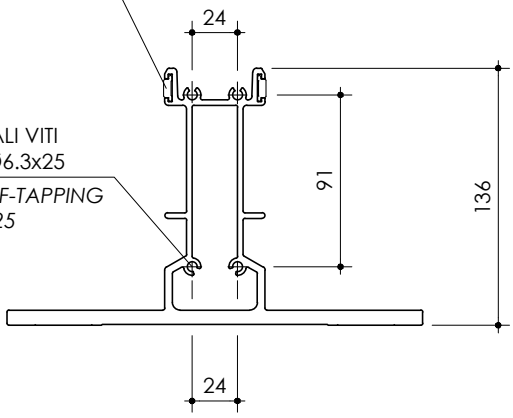


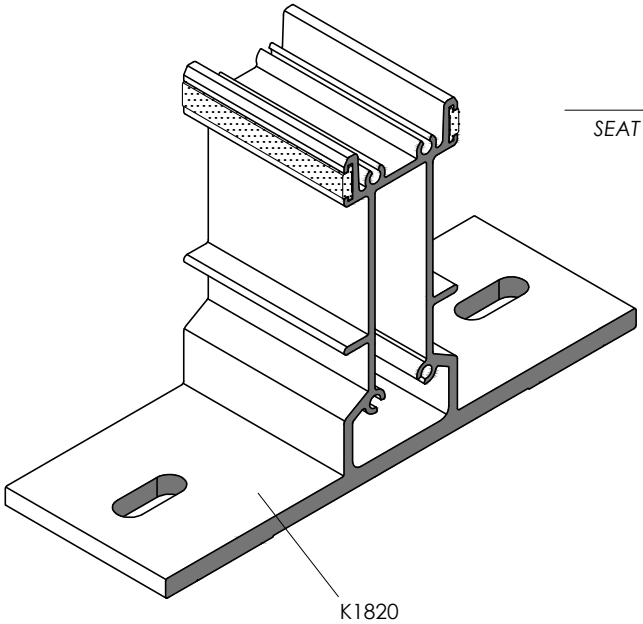


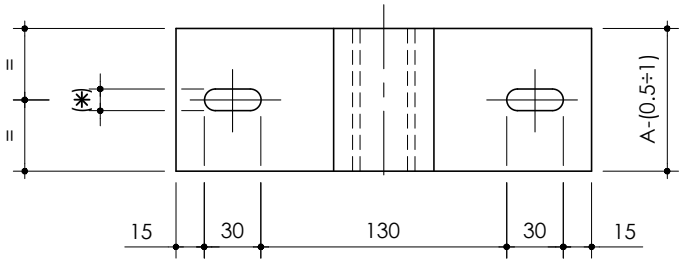
RICAVARE DA PROFILO K 1820
OBTAIN FROM K 1820 SECTION

800008 - NON USARE CON MONTANTE K808
800008 - DON'T USE WITH K808 MULLION

SEDI PER EVENTUALI VITI AUTOFILETTANTI Ø6.3x25
SEAT FOR OPTIONAL SELF-TAPPING SCREWS Ø6.3x25



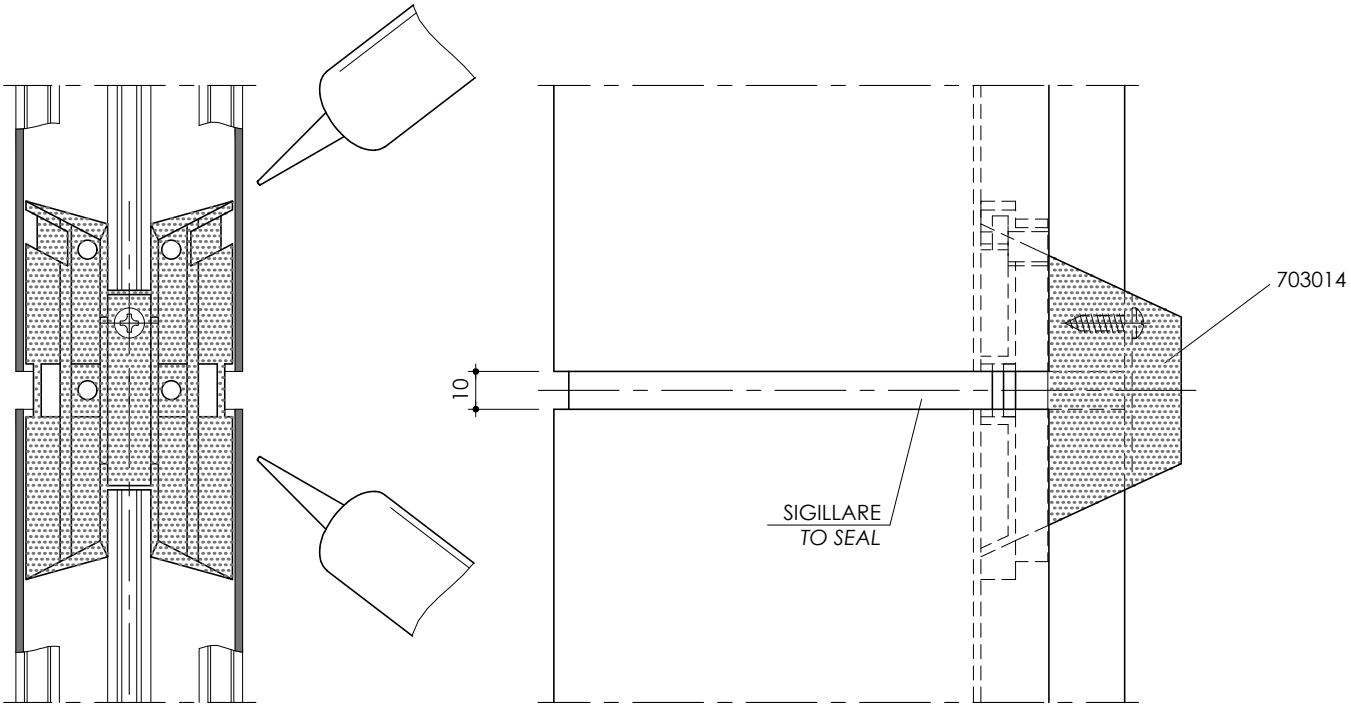


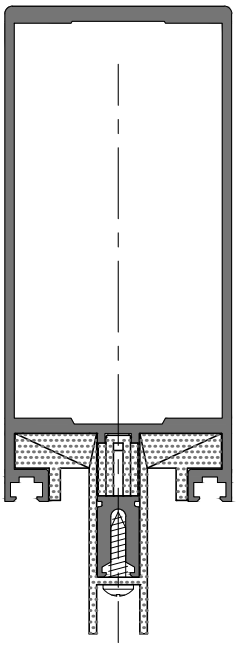


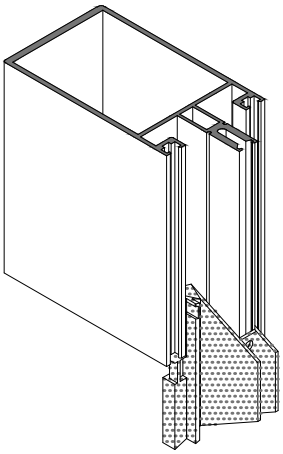
(*) LARGHEZZA ASOLA IN FUNZIONE DELLA VITE O TASSELLO IMPIEGATO
SLOTTED HOLE WIDTH DEPENDING ON SCREW OR ANCHORING USED

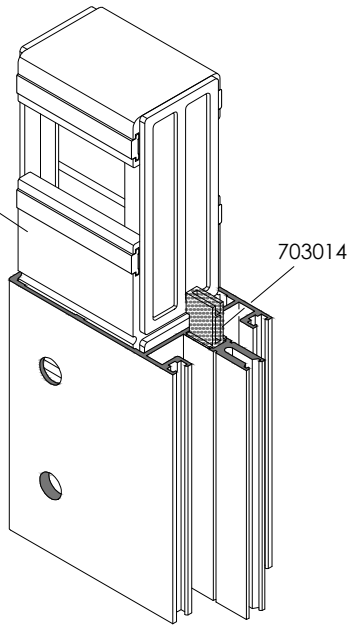
SCHEMA DI MONTAGGIO COPRIGIUNTO 703014 PER GIUNTO DI DILATAZIONE MONTANTI

703014 MULLION EXPANSION JOINT COVERING ASSEMBLY DIAGRAM







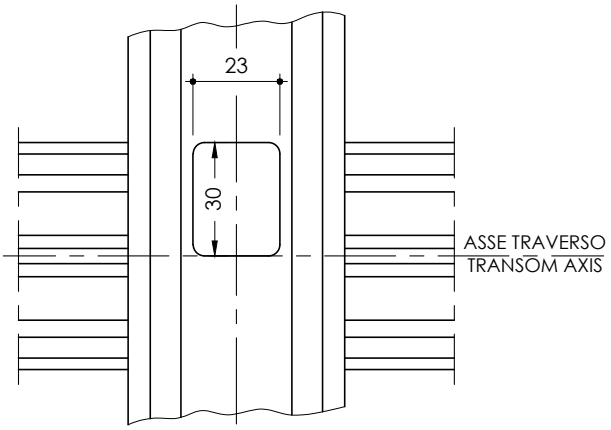


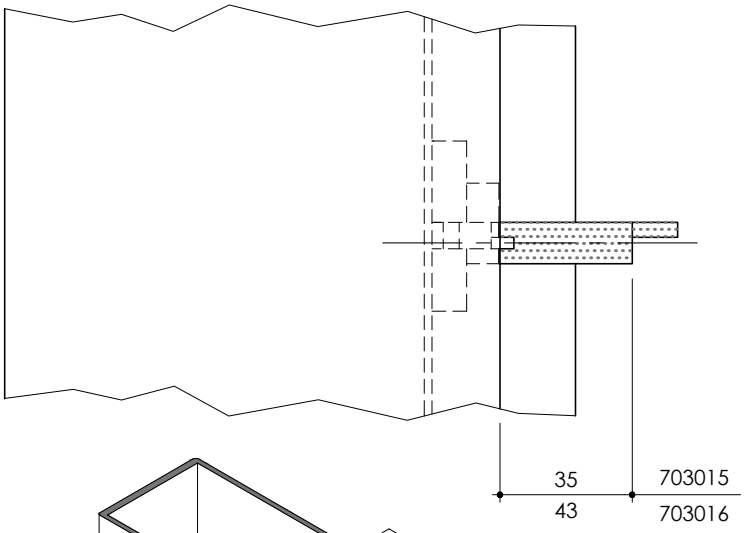
SIGILLARE IL COPRIGIUNTO CON "THIOKOL" INIETTANDO IL SIGILLANTE NEI QUATTRO FORI FRONTALI

USE "THIOKOL" TO SEAL COVER JOINT INJECT SEALANT THROUGH FRONTAL HOLES

SCHEMA DI MONTAGGIO TAPPO DI DRENAGGIO MONTANTI
MULLION DRAINAGE PLUG ASSEMBLY DIAGRAM

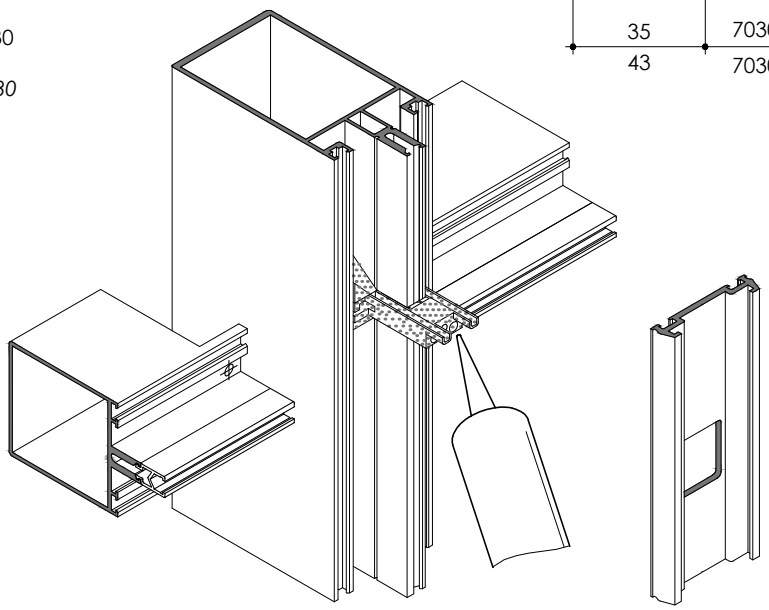
MONTARE IL TAPPO DI DRENAGGIO IN CORRISPONDENZA DEI TRAVERSI DI ESTREMITA' E DEI TRAVERSI SOPRA I GIUNTI DI DILATAZIONE
DRAINAGE PLUG MUST LOCATED AT TRANSOM IMMEDIATELY ABOVE EXPANSION JOINT

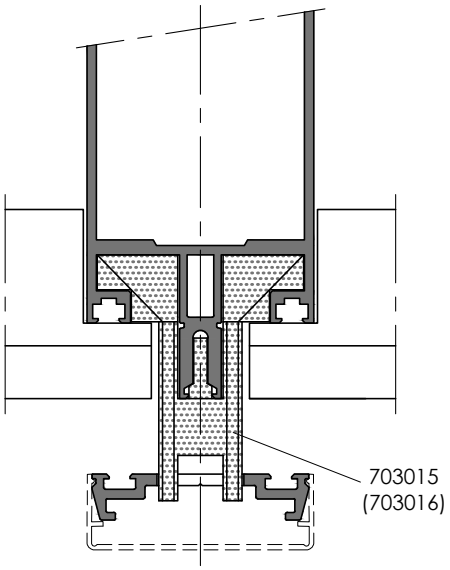




PER ASOLE 23x30 E 18x30 UTILIZZARE TRANCIANTE 909230

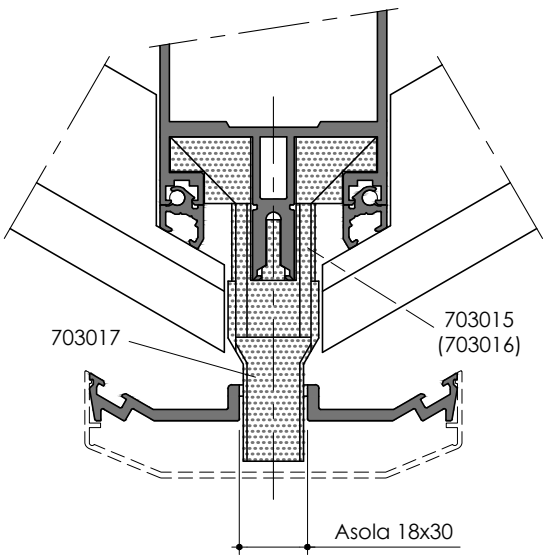
TO EXECUTE THE 23x30 AND 18x30 OPENINGS USE 909230 BLANKING MACHINE

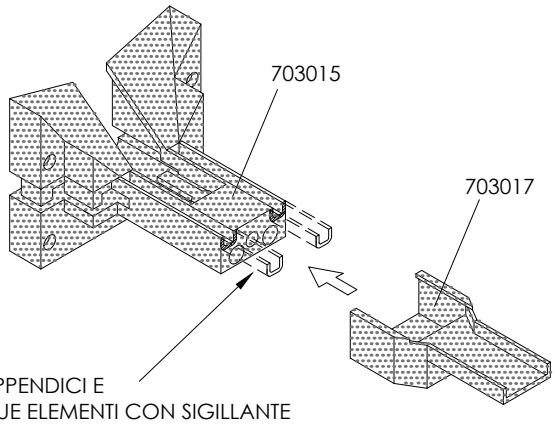




SIGILLARE CON "THIOKOL" IL TAPPO DI DRENAGGIO INIETTANDO IL SIGILLANTE NEI TRE FORI SITUATI SULLA PARTE FRONTALE

USE "THIOKOL" TO SEAL DRAINAGE PLUG INJECT SEALANT THROUGH FRONTAL HOLES



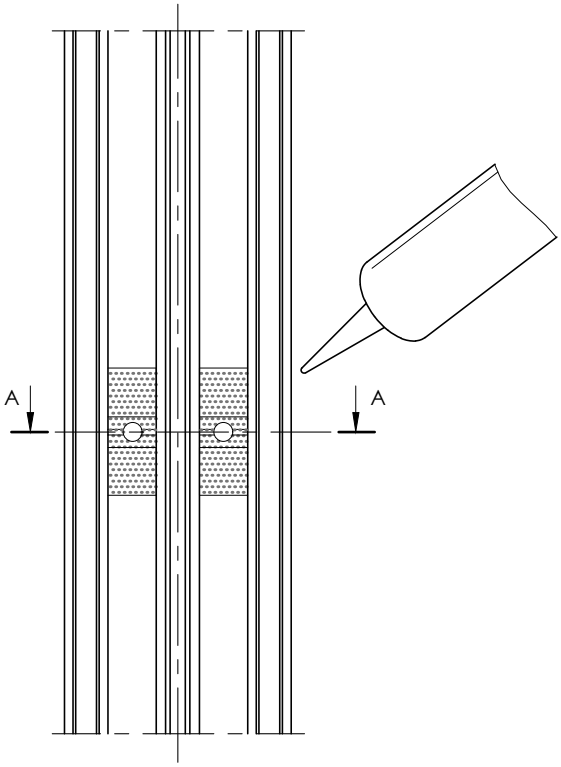


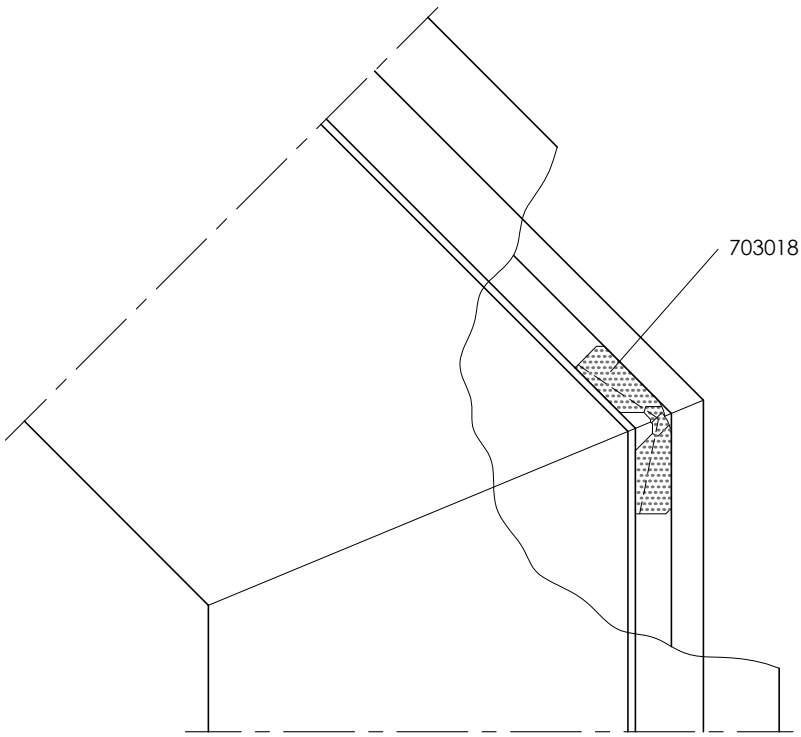
ASPORTARE LE APPENDICI E
ACCOPPIARE I DUE ELEMENTI CON SIGILLANTE

REMOVE THE TWO TABS AND JOINT WITH SEALANT

COPRIGIUNTO 703018 PER UNIONI FISSE MONTANTI

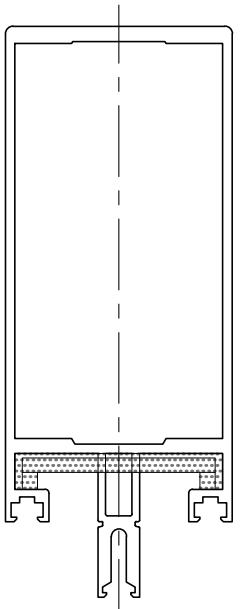
703018 JOINT MULLION LINK JOINT COVERING





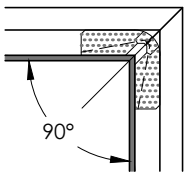
SIGILLARE IL COPRIGIUNTO CON "THIOKOL" INIETTANDO
IL SIGILLANTE NEI DUE FORI FRONTALI

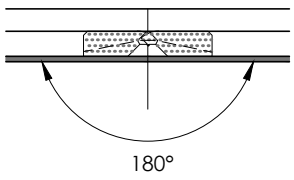
USE "THIOKOL" TO SEAL COVER JOINT INJECT SEALANT THROUGH FRONTAL HOLES

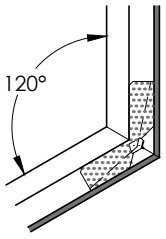


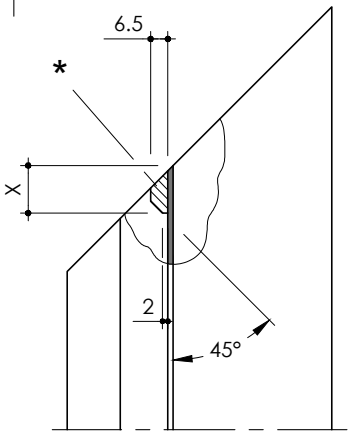
SEZ. A-A

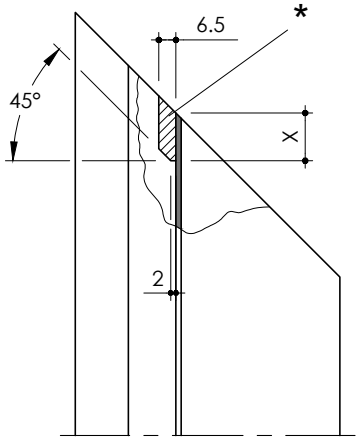
CAMPO DI APPLICAZIONE
AREA OF APPLICATION









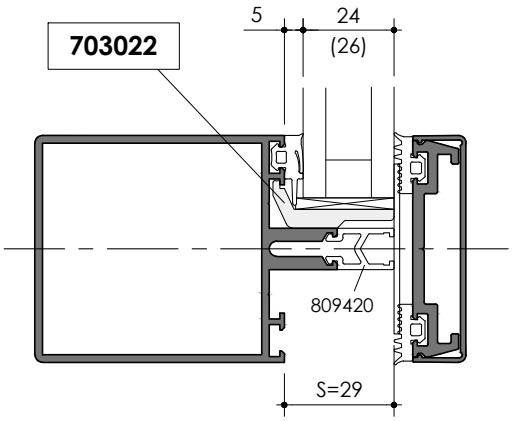


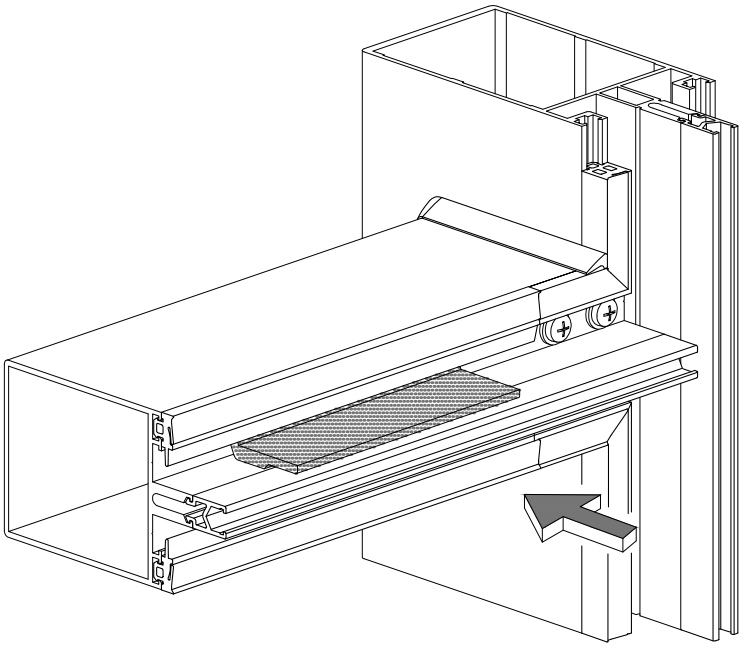
X= IN FUNZIONE DELL'ANGOLO DI TAGLIO
X= IN CONFORMITY OF CUTTING ANGLE

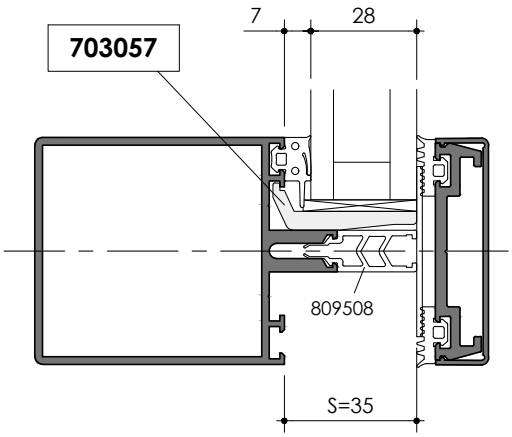
***** LAVORAZIONE DA ESEGUIRE CON TRANCIANTE 909230
FOR MACHINING USE 909230 BLANKING MACHINE

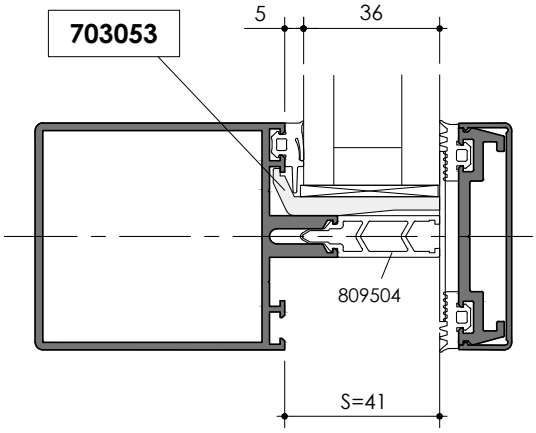
SCHEMA DI MONTAGGIO MENSOLE DI SUPPORTO VETRO

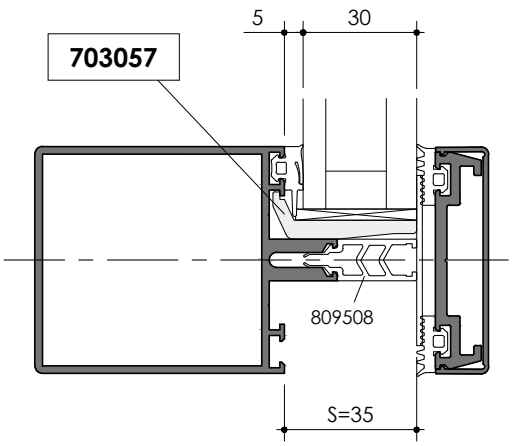
TRANSOM GLASS BRACKET ASSEMBLING DIAGRAM

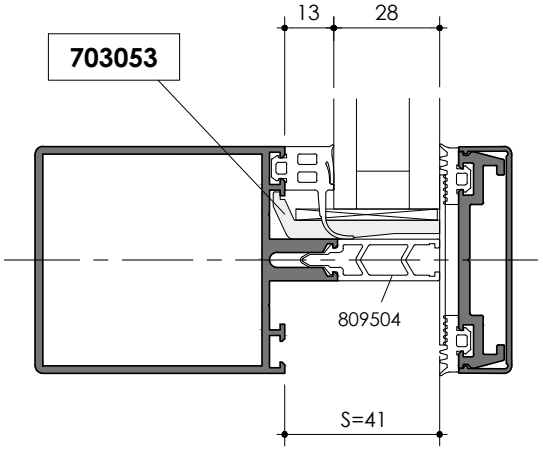






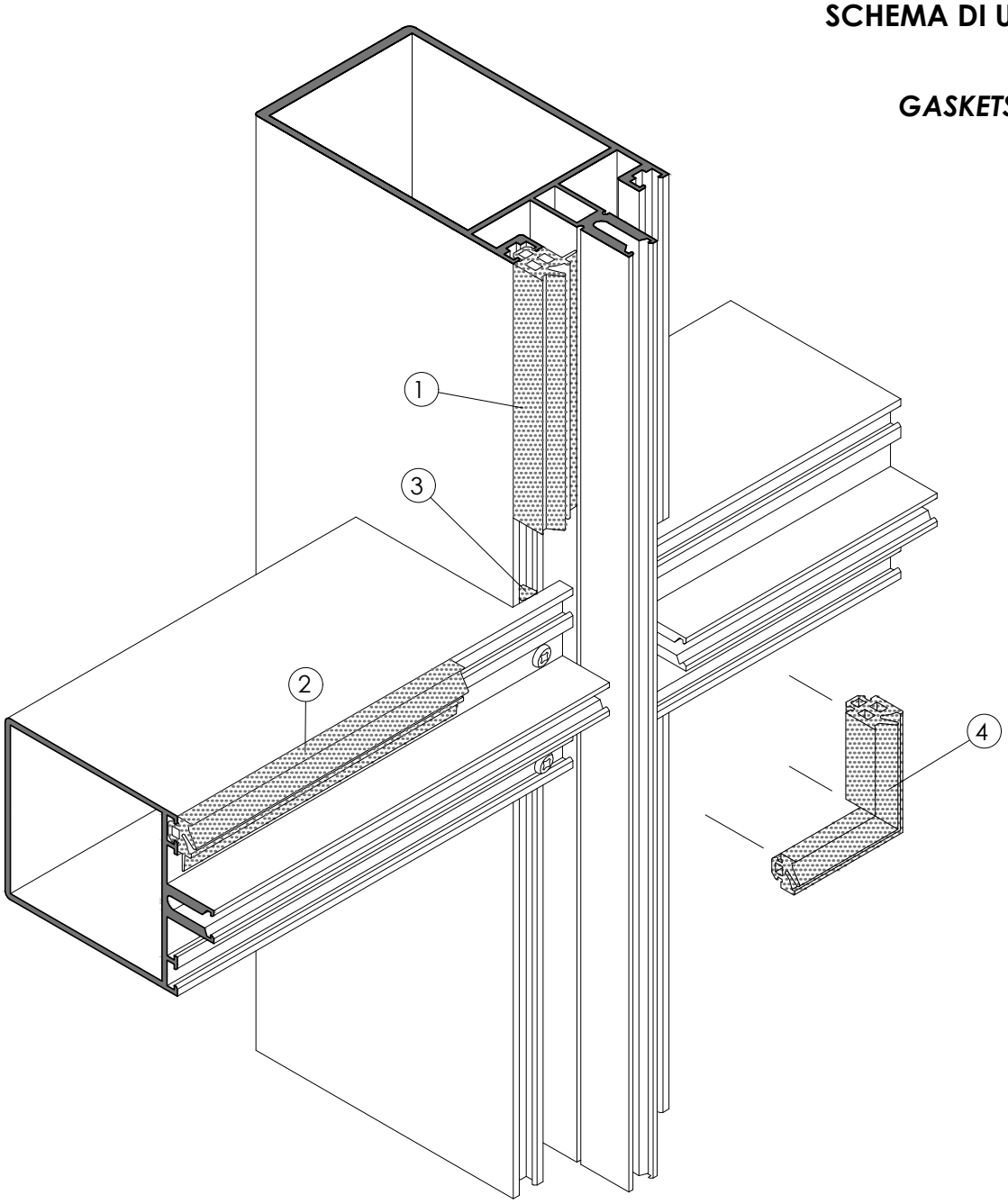


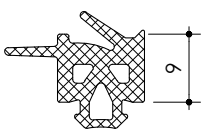
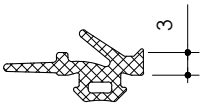
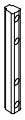
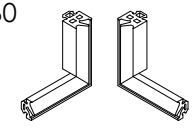
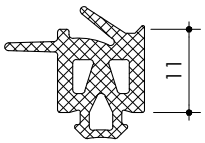
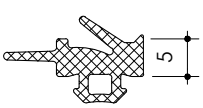
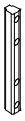
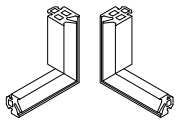
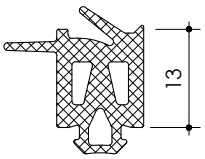
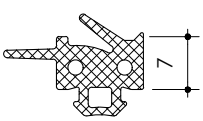
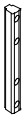
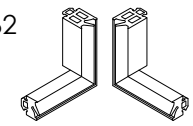




SCHEMA DI UTILIZZO GUARNIZIONI PER VETRAZIONE

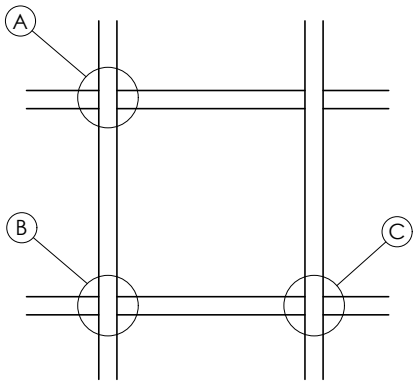
GASKETS SELECTION DIAGRAM FOR GLAZING



① GUARN. MONTANTI *MULLION GASKET*	② GUARN. TRAVERSI *TRANSOM GASKET*	③ TAPPO DI TENUTA *SEALING PLUG*	④ ANGOLI VULCANIZ. *VULCAN. CORNER*
809200 	809201 	704065 	704060 
809202 	809203 	704065 	704061 
809204 	809205 	704065 	704062 

SCHEMA DI MONTAGGIO GUARNIZIONI INTERNA VETRO CON ANGOLINI

INSIDE GLASS GASKET AND CORNERS ASSEMBLING DIAGRAM



Sigillare la sede della guarnizione in corrispondenza degli angoli con sigillante 909986

Seal the gasket seat in correspondence with the corners using sealant 909986

Part. A

PER SCELTA TIPO GUARNIZIONE VEDI PAGINE 8.26
TO SELECT GASKET TYPE SEE PAGE 8.26

Angolo vulcanizzato
Vulcanized corner

MH

(MH - 120) + 1%
Lunghezza guarnizione - *Gasket lenght*

Queste giunzioni dovranno essere accuratamente eseguite ed incollate con adesivo cianoacrilico

These gasket joints must be accuartely done and sealed with cyano-acrilic adhesive

Part. B

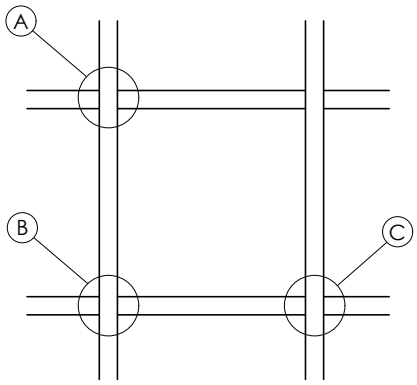
Part. C

(ML - 120) + 1%
Lunghezza guarnizione - *Gasket lenght*

ML

SCHEMA DI MONTAGGIO GUARNIZIONI INTERNA VETRO

INSIDE GLASS GASKET ASSEMBLING DIAGRAM



Sigillare la sede della guarnizione in corrispondenza degli angoli con sigillante 909986

Seal the gasket seat in correspondence with the corners using sealant 909986

Part. A

PER SCELTA TIPO GUARNIZIONE VEDI PAGINE 8.26
TO SELECT GASKET TYPE SEE PAGE 8.26

MH

(MH - 60) + 1%

Lunghezza guarnizione - *Gasket lenght*

Queste giunzioni dovranno essere accuratamente eseguite ed incollate con adesivo cianoacrilico

These gasket joints must be accuartely done and sealed with cyano-acrilic adhesive

Part. B

Part. C

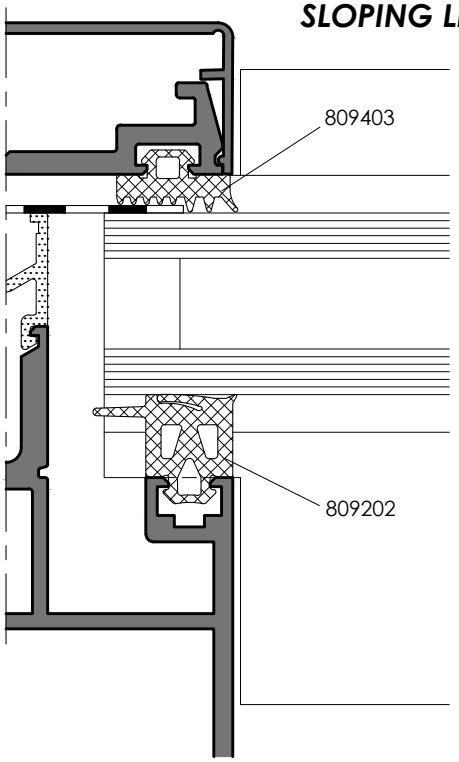
(ML - 26)

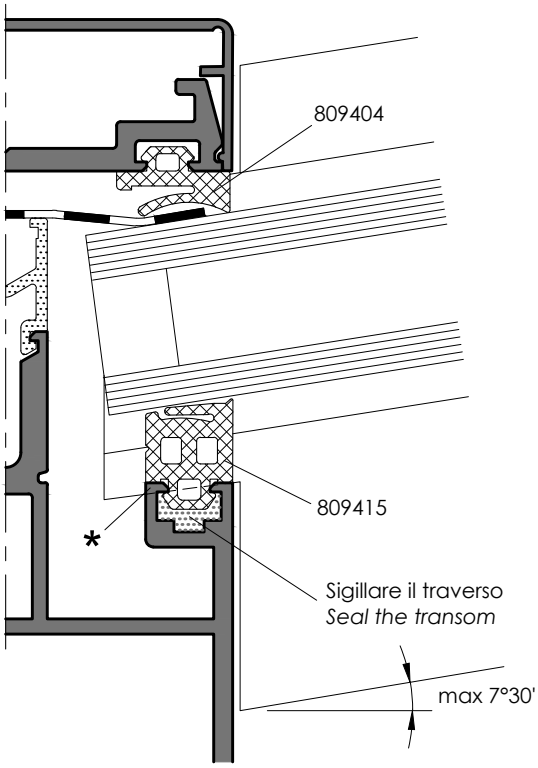
Lunghezza guarnizione - *Gasket lenght*

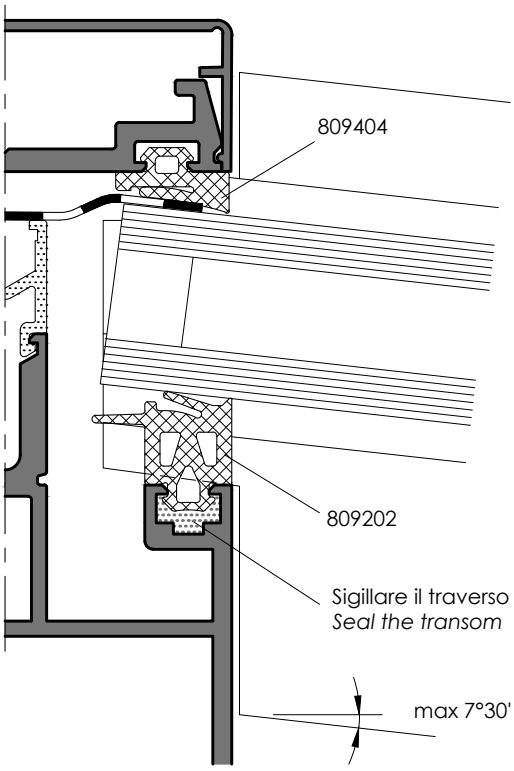
ML

SCHEMA CONNESSIONI INCLINATE

SLOPING LINKS ASSEMBLING DIAGRAM







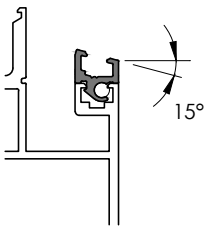
* FRESARE IL MONTANTE IN CORRISPONDENZA DELL'INSERIMENTO DEL TRAVERSO

FOR A CORRECT ASSEMBLY MULLION SHOULD BE MILLED AT TRANSOM JOINT

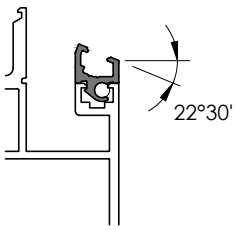
PER INCLINAZIONI SUPERIORI A 7°30' SI DOVRANNO IMPIEGARE I PROFILI AGGIUNTIVI

FOR ANGLES GREATER THEN 7° 30' ADDITIONAL SECTIONS MUST BE EMPLOYED

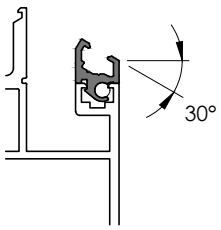
K781



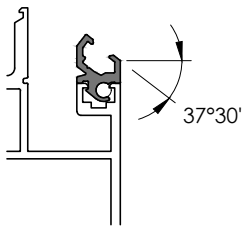
K782



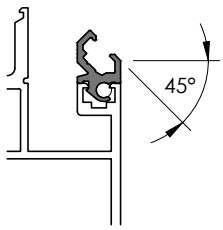
K783



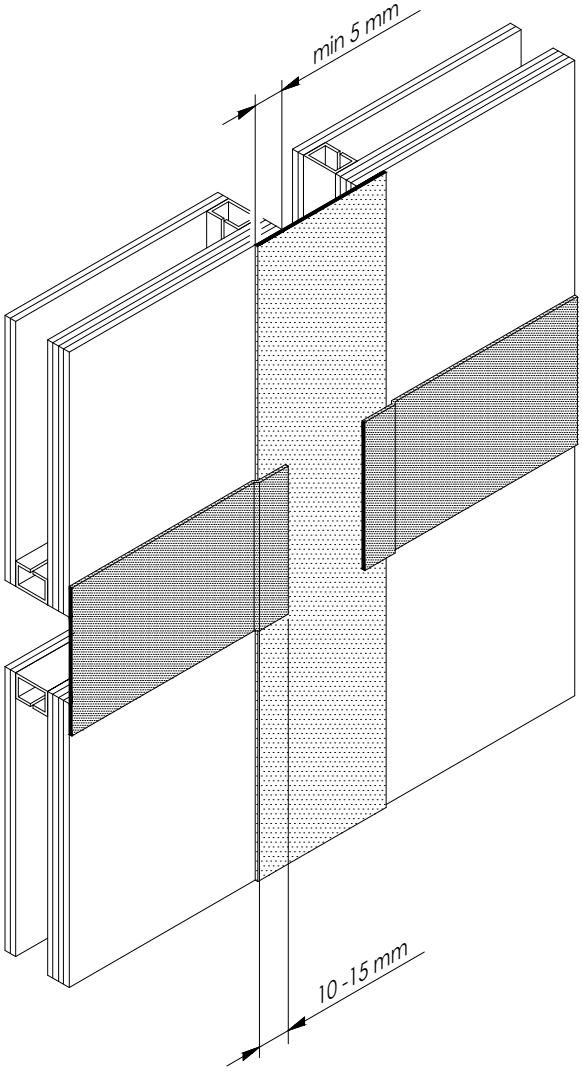
K784



K785



SCHEMA DI APPLICAZIONE NASTRO BUTILICO
BUTYLIC TAPE APPLICATION DIAGRAM

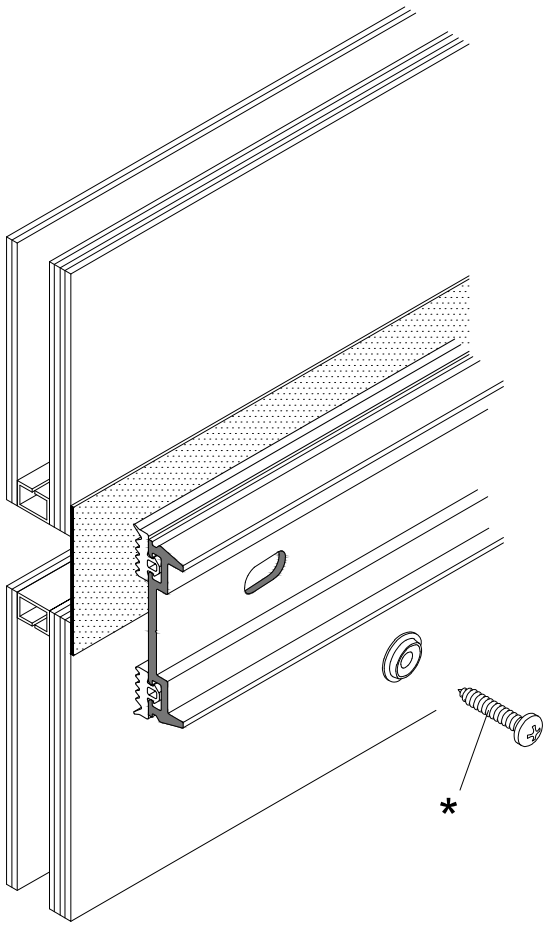


ISTRUZIONI PER L'APPLICAZIONE DEL NASTRO BUTILICO

- SGRASSARE ED ASCIUGARE COMPLETAMENTE LE SUPERFICI DEI VETRI A CONTATTO CON IL BUTILE
- IL BUTILE DEVE SOVRAPPORSI AL VETRO PER ALMENO 5 mm
- NELLA ZONA DI INCROCIO IL NASTRO ORIZZONTALE DEVE SOVRAPPORSI A QUELLO VERTICALE PER ALMENO 10-15 mm
- LA TEMPERATURA AMMISSIBILE PER LA CORRETTA APPLICAZIONE E' COMPRESA TRA 5°C E 40°C

BUTYLIC TAPE APPLICATION INSTRUCTIONS

- *DEGREASE AND DRY GLASS SURFACES ADJOINING TO THE BUTYLIC TAPE*
- *THE BUTYLIC TAPE MUST OVERLAP THE GLASS NOT LESS THAN 5 mm*
- *THE HORIZONTAL CROSSING TAPE MUST OVERLAP THE VERTICAL ONE NOT LESS THAN 10-15 mm*
- *THE BUTYLIC TAPE MUST BE APPLIED IN THE TEMPERATURE RANGE FROM 5°C TO 40° C*



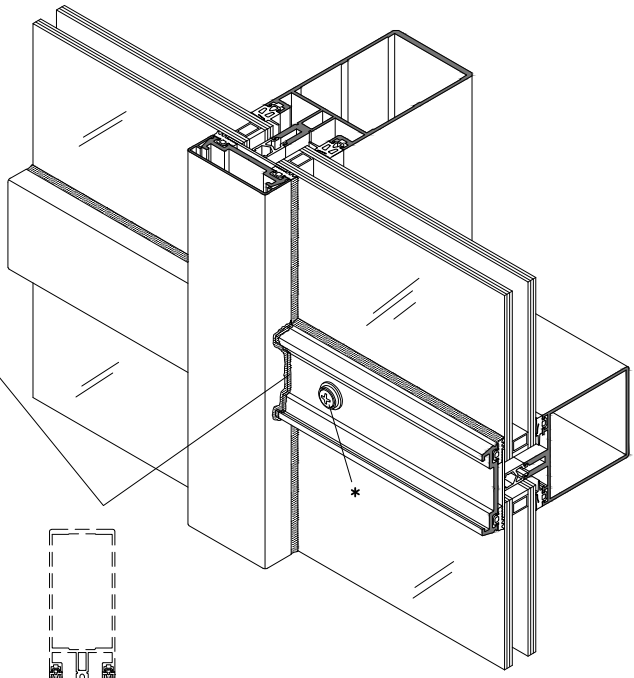
* UTILIZZANDO IL NASTRO BUTILICO INGRASSARE IL FILETTO DELLE VITI

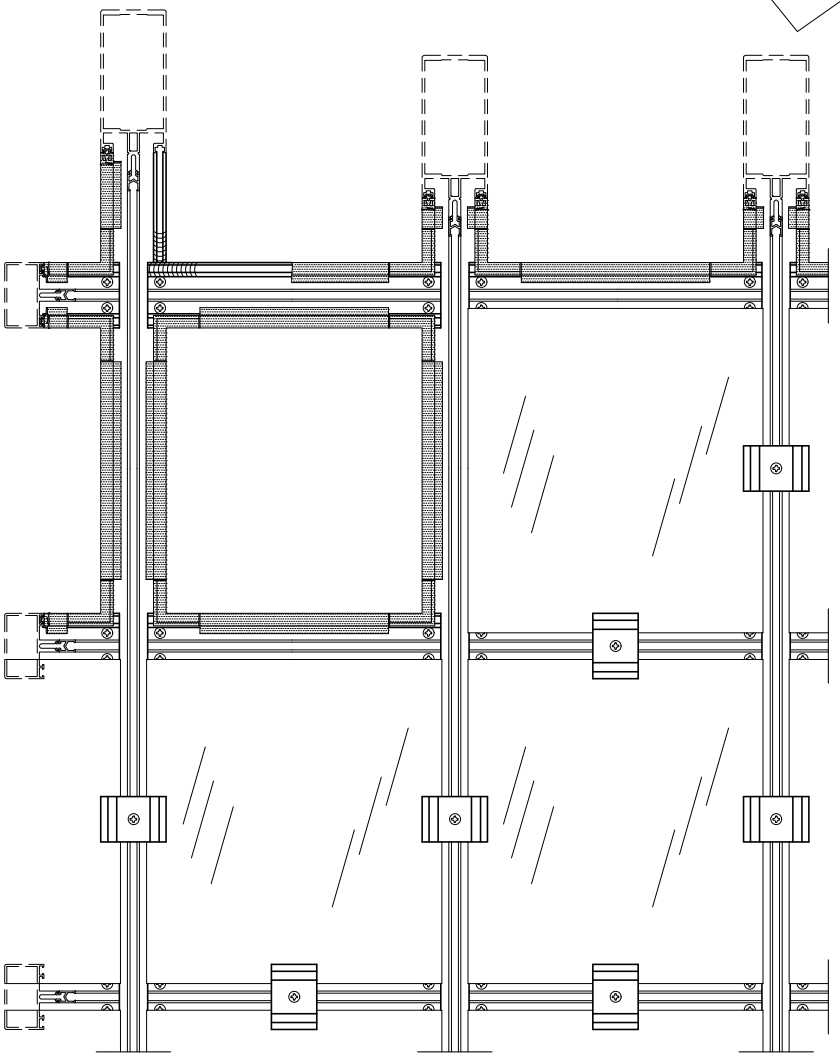
GREASE SCREW THREAD WHEN BUTYLIC TAPE IS USED

ISTRUZIONI PER MONTAGGIO PRESSORE
PRESSURE PLATE ASSEMBLING INSTRUCTIONS

Sigillare le due estremità del pressore traverso prima della posa della relativa copertina.

Seal both ends of pressure plate transom before installing the corresponding snap-on cover.





E' consigliabile bloccare temporaneamente i vetri con spezzoni di pressore prima di eseguire il fissaggio definitivo.

It is suggested to stop the glasses with pressure plate crop ends before the correct assembly.

* Serrare le viti di fissaggio dei pressori con avvitatore regolabile tarato a 5 Nm.
Verificare che in fase di serraggio il pressore e le relative guarnizioni non si presentino deformate; in questo caso si dovrà ridurre progressivamente la coppia di serraggio fino ad ottimizzare il fissaggio.
La vite non dovrà raggiungere il fondo della propria sede, eventualmente sostituirla con una piu corta.

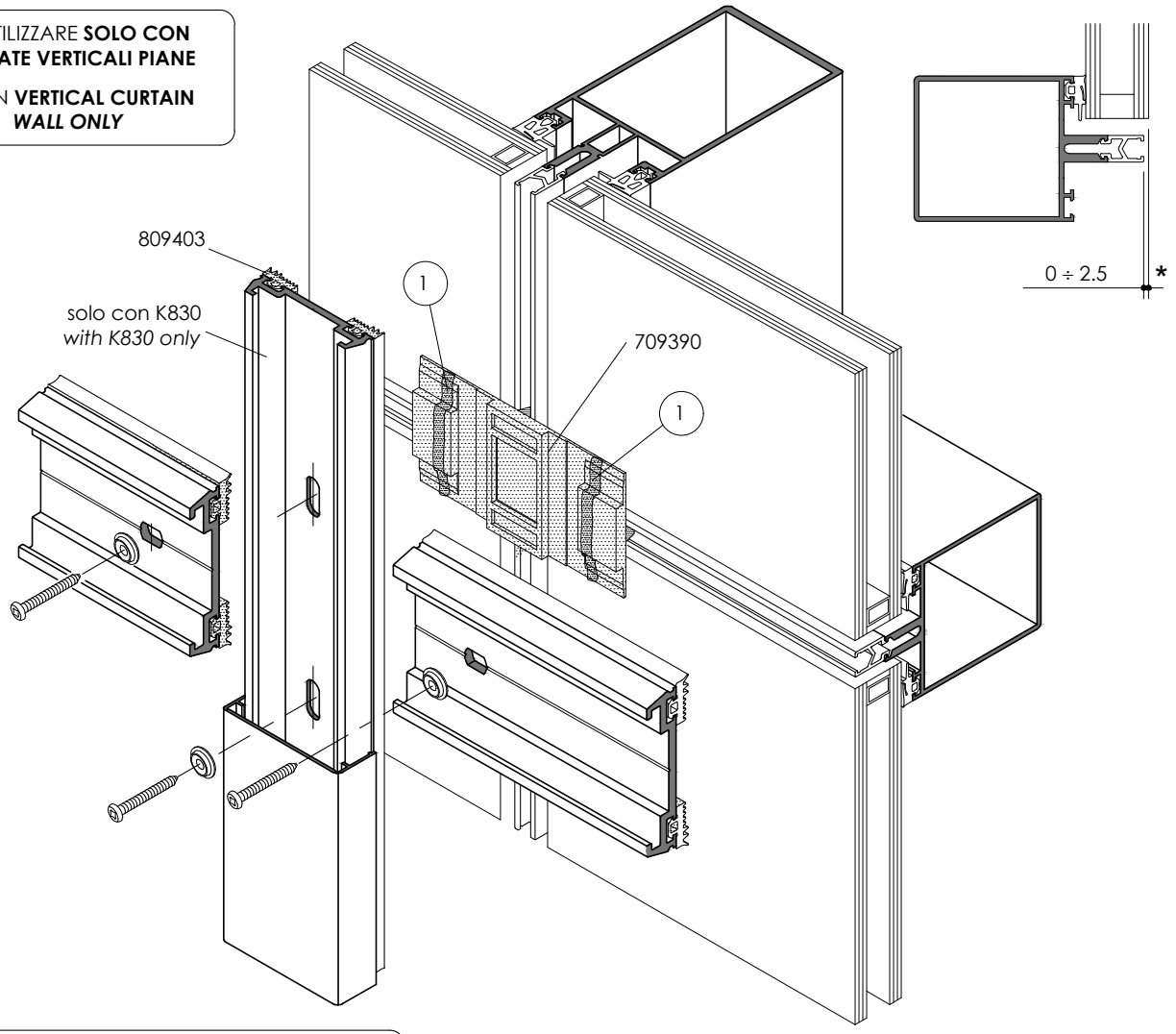
Pressure plate fixing screws must be tightened using an adjustable screwdriver with closing moment at 5 Nm.
Control that the pressure plate and gaskets do not deform during closing phase; in this case decrease the closing moment value so to obtain the best fixing.
Screw should not reach the bottom of it's place, if necessary, change with one smaller.

MONTAGGIO FLANGIA DI TENUTA ESTERNA 709390 PER PRESSORI

709390 PRESSURE PLATE SEALING PLUG ASSEMBLING DIAGRAM

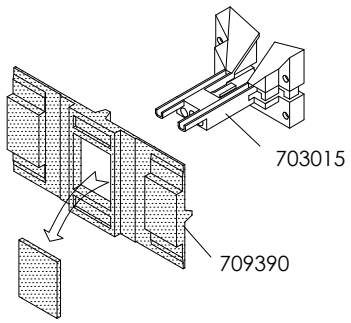
DA UTILIZZARE **SOLO CON FACCIATE VERTICALI PIANE**

USE ON **VERTICAL CURTAIN *WALL ONLY***

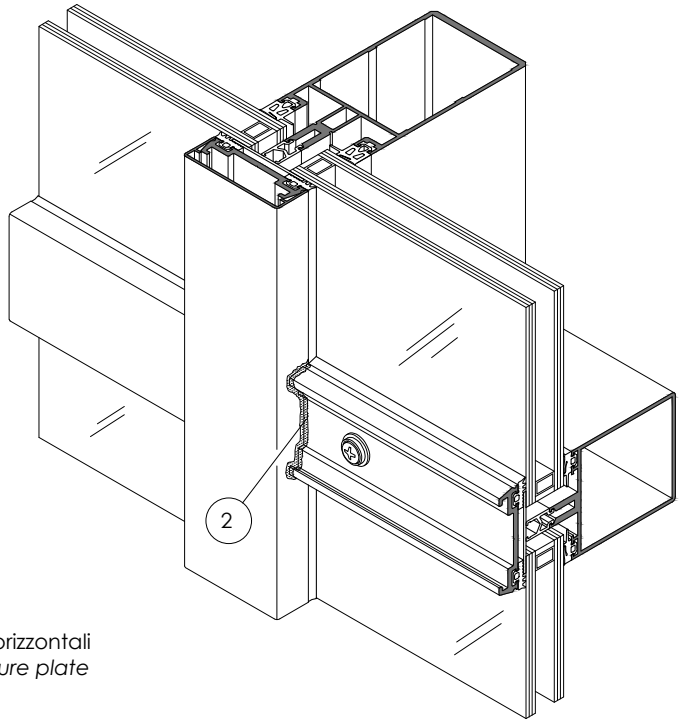


* ACCERTARSI CHE IL DISTANZIALE DI PLASTICA NON SPORGA DALLO SPESSORE DEL VETRO

PLASTIC SPACER SHALL NOT PROJECT OUT OF GLASS THICKNESS



Tagliare la membrana in corrispondenza dei drenaggi
Cut the membrane on correspondence of the drainage



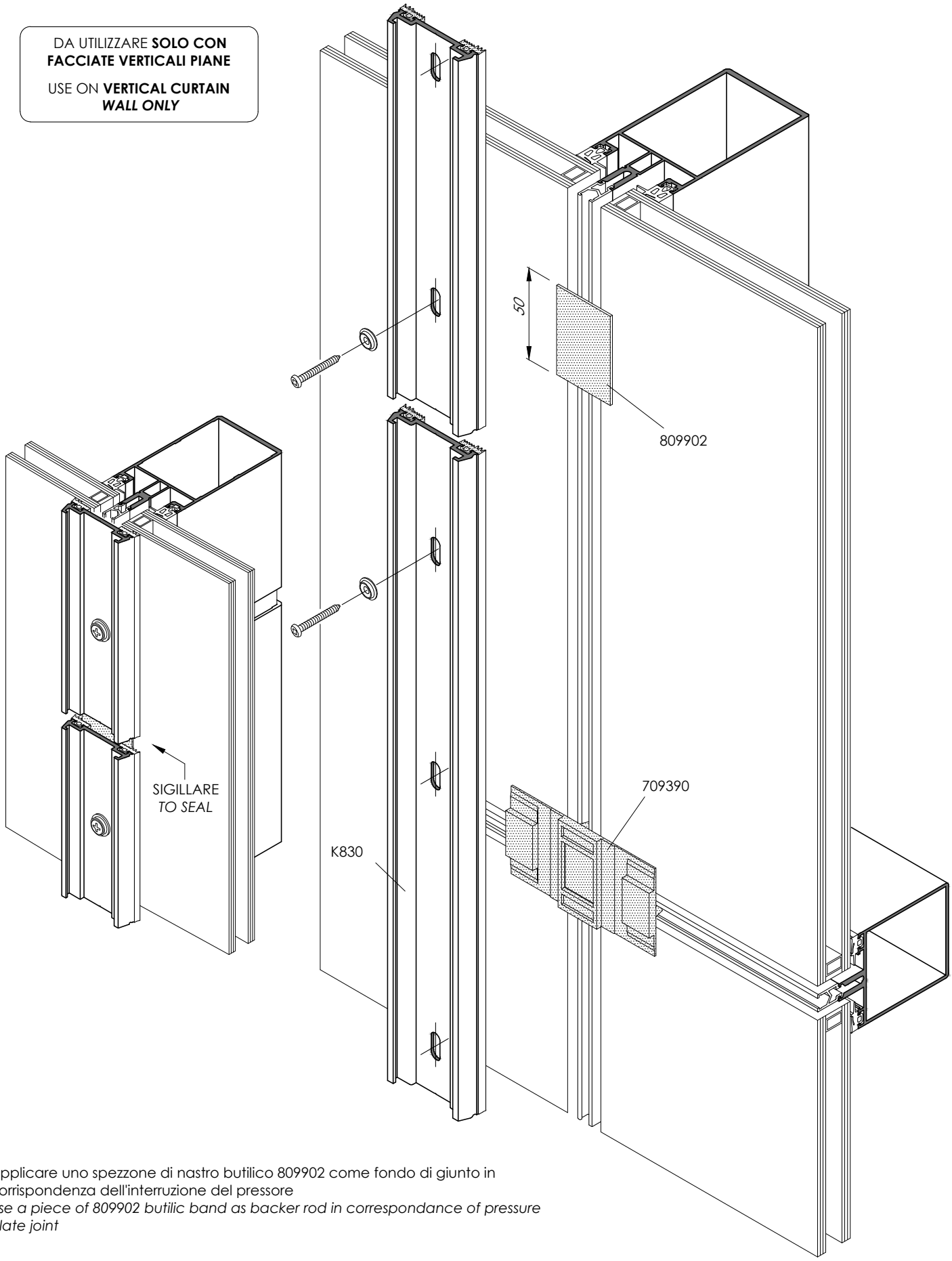
(1) Applicare sigillante art. 909986 tra flangia di tenuta e pressori orizzontali
Use art. 809986 sealant between the plug and horizontal pressure plate

(2) Sigillare le due estremità del pressore traverso prima della posa della copertina
Seal both ends of pressure plate transom before installing the corresponding snap-on cover

PARTICOLARE GIUNTO PRESSORI PER MONTANTI
DETAIL OF MULLION PRESSURE PLATE JOINT

DA UTILIZZARE **SOLO CON FACCIATE VERTICALI PIANE**

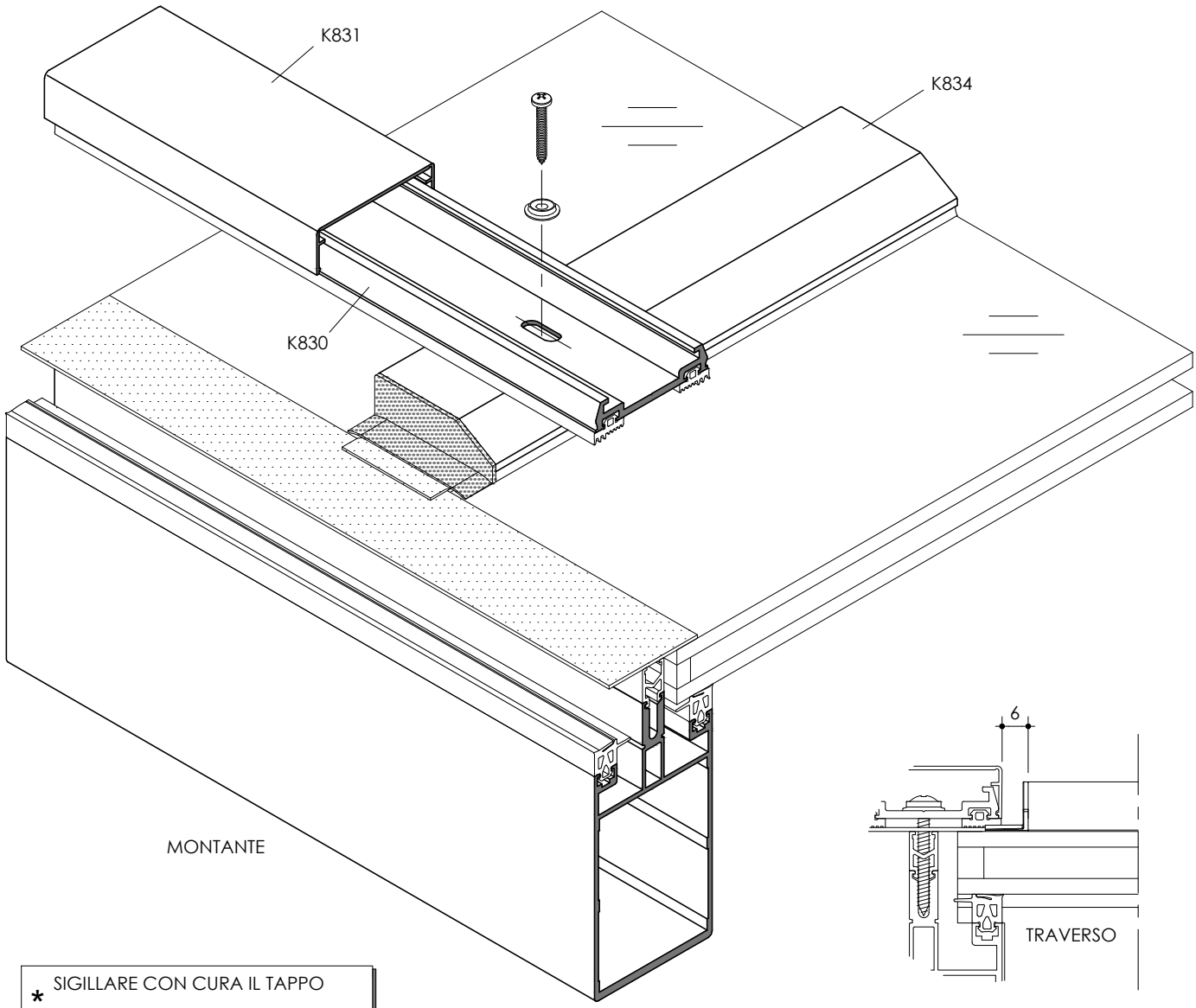
USE ON **VERTICAL CURTAIN** ***WALL ONLY***



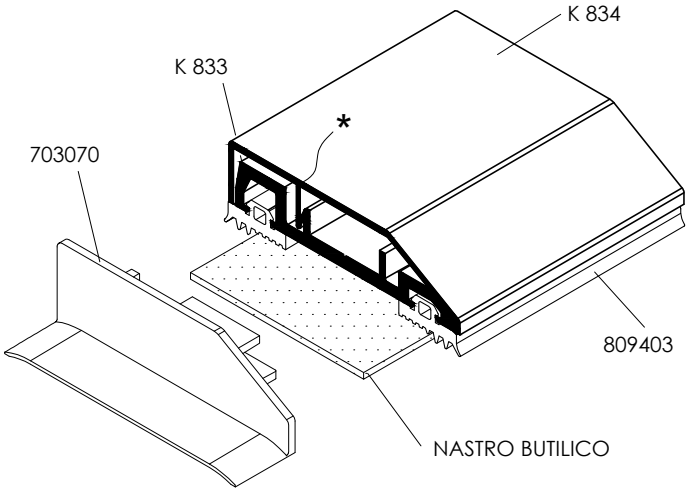
Applicare uno spezzone di nastro butilico 809902 come fondo di giunto in corrispondenza dell'interruzione del pressore
Use a piece of 809902 butilic band as backer rod in correspondance of pressure plate joint

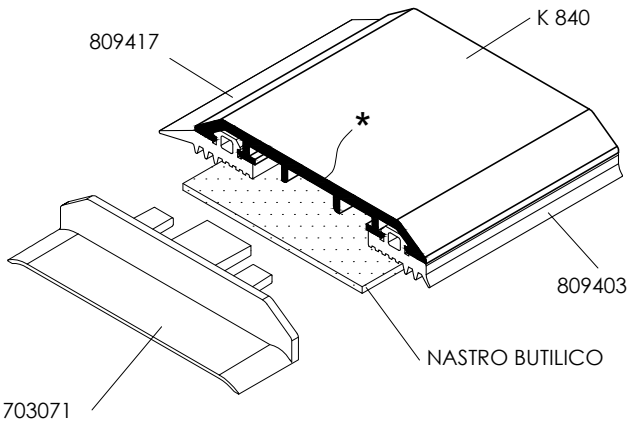
MONTAGGIO TAPPI ART. 703070 E 703071 SU COPERTURE A DEBOLE PENDENZA

ASSEMBLING OF PLUG COD. 703070 AND 703071 ON LIGHT SLOPE ROOFING

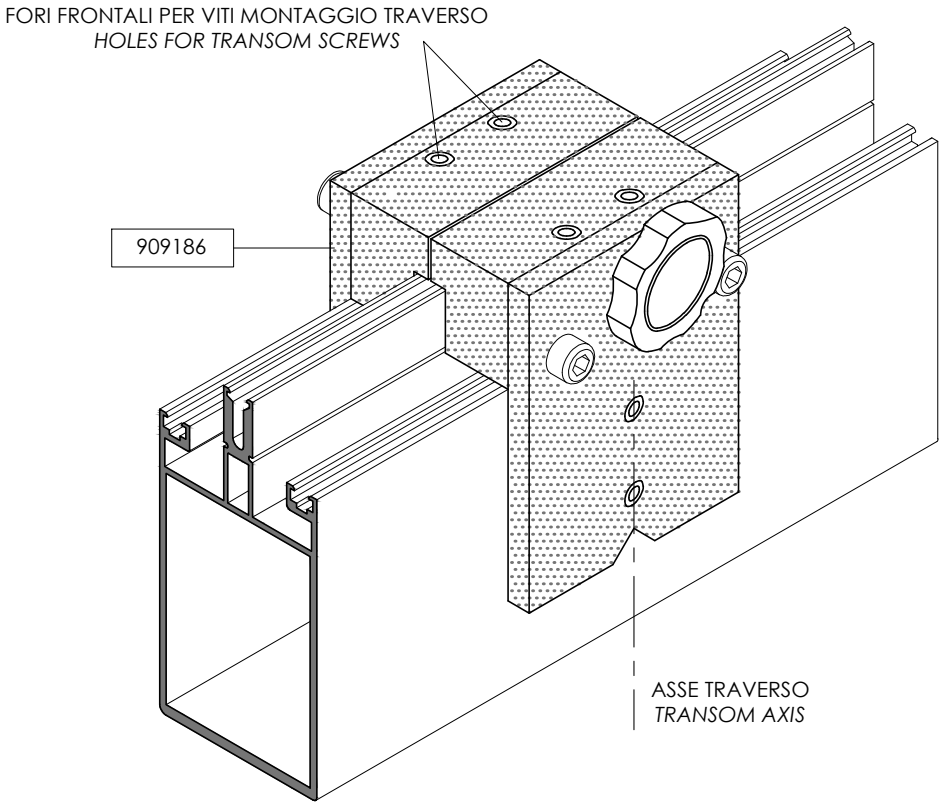


* SIGILLARE CON CURA IL TAPPO
SEAL THE PLUG WITH CARE



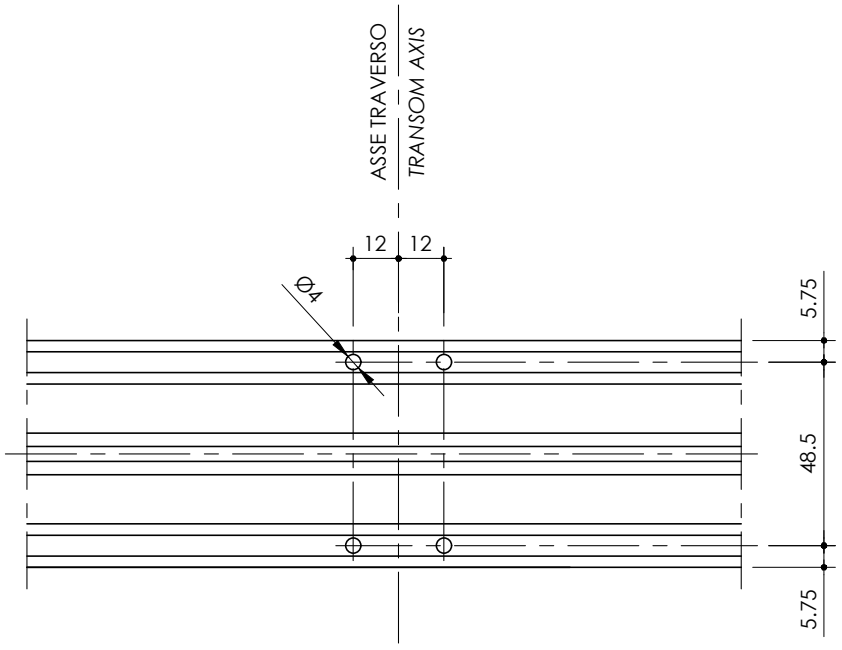


SCHEMA DI FORATURA MONTANTI PER MONTAGGIO TRAVERSI
MULLION DRILLING DIAGRAM FOR TRANSOM ASSEMBLY



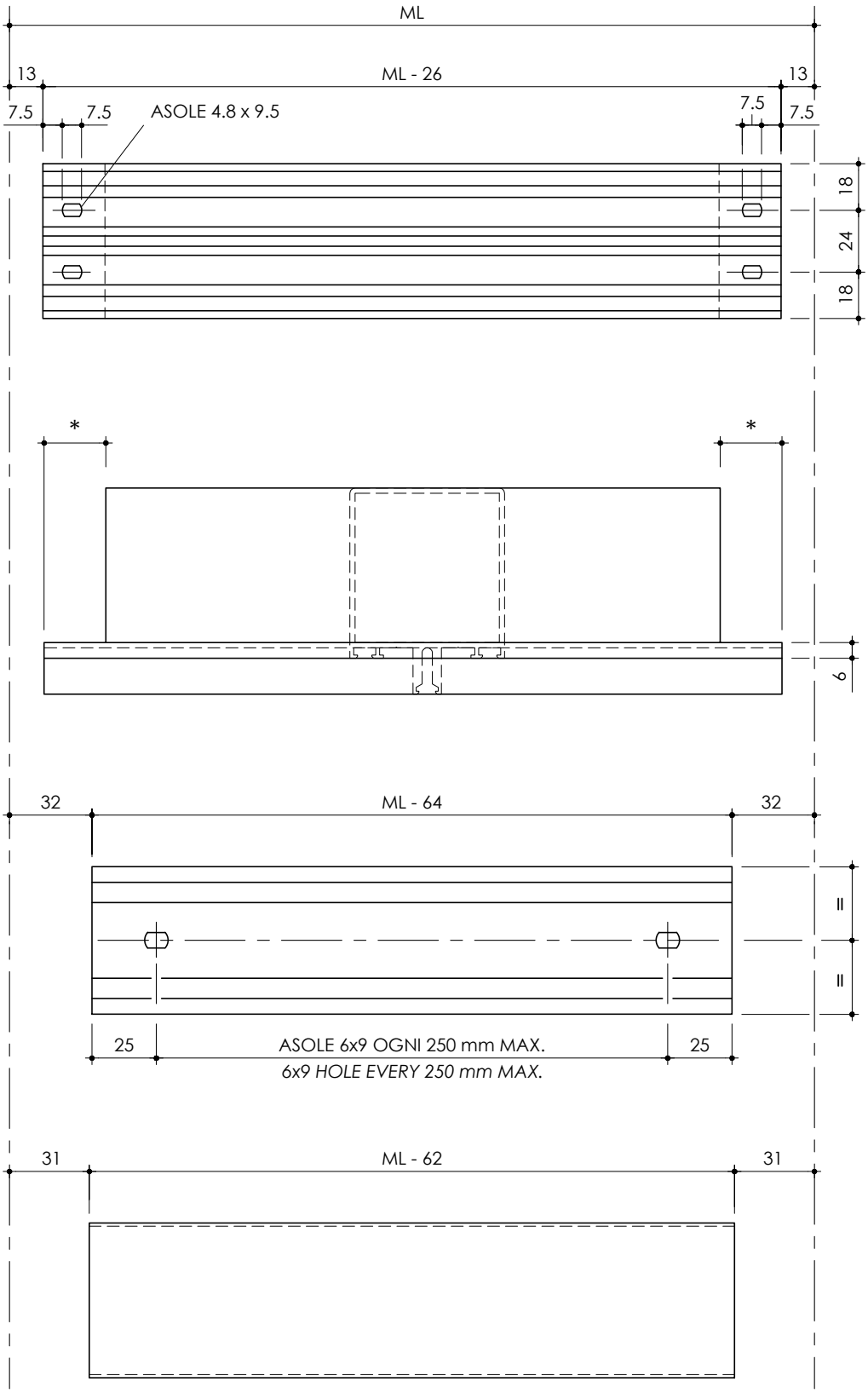
ESEGUIRE LA FORATURA DEI MONTANTI CON DIMA

909186 USE 909186 TEMPLATE TO DRILL MULLION HOLES



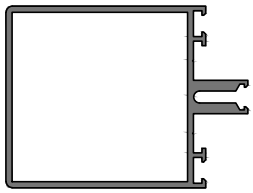
LAVORAZIONE TRAVERSI TIPICI, PRESSORI E COPERTINE DA 60mm

MACHINING DIAGRAM FOR TYPICAL TRANSOM AND 60mm PRESSURE PLATE



TRAVERSO TIPICO
TIPICAL TRANSOM

K 821

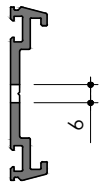


* PROFONDITA' DELLA LAVORAZIONE IN FUNZIONE DEL TIPO DI MENSOLA ADOTTATA. UTILIZZARE TRANCIANTE 909329

DEPTH MACHINING DEPENDING ON THE BRACKET ADOPTED

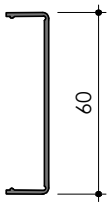
PRESSORE TRAVERSO
TRANSOM PRESSURE PLATE

K 830



COPERTINA TRAVERSO
TRANSOM SNAP-ON COVER

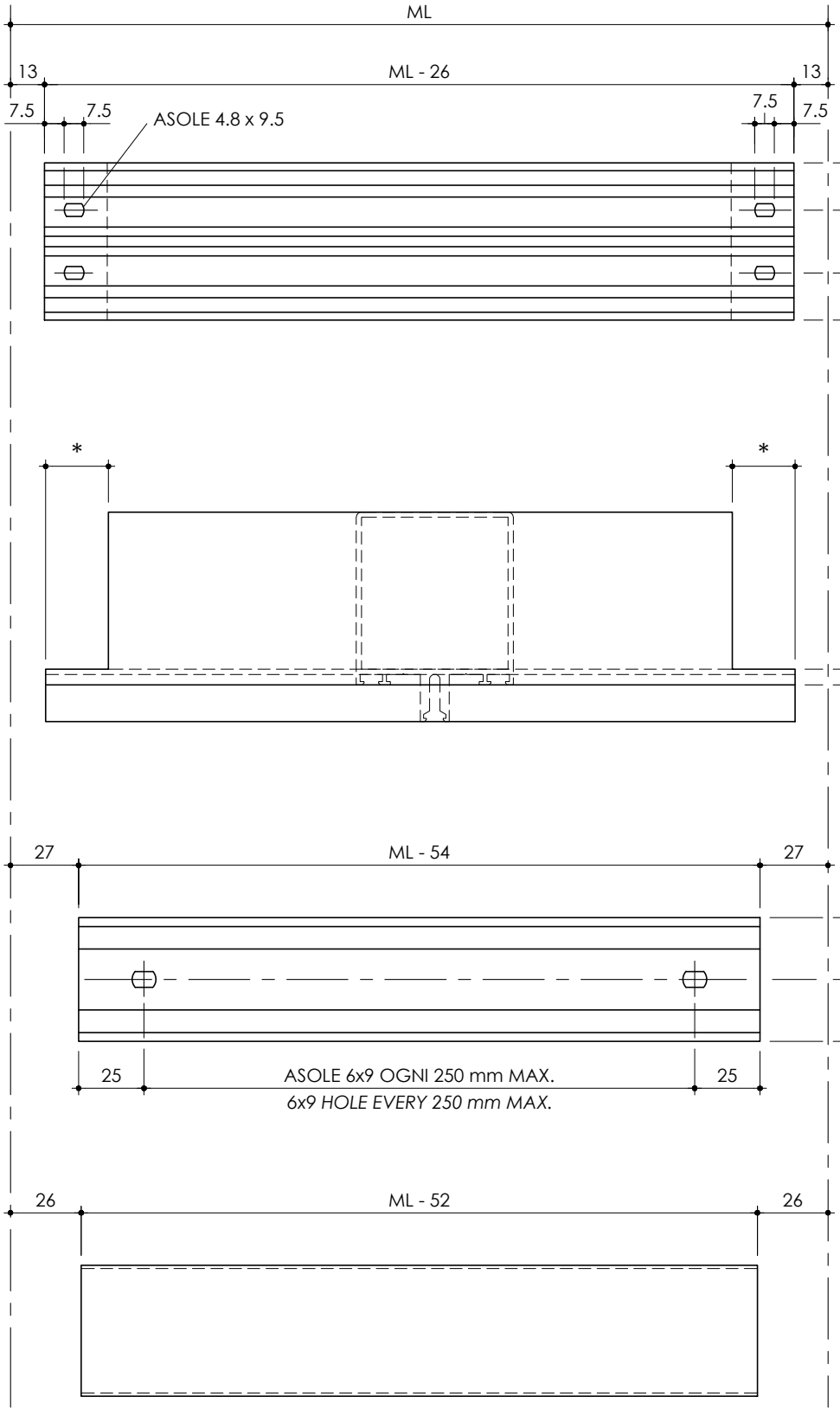
K 832



PER ESECUZIONE ASOLE UTILIZZARE TRANCIANTE 909230
TO EXECUTE THE SLOTTED HOLES USE 909230 BLANKING MACHINE

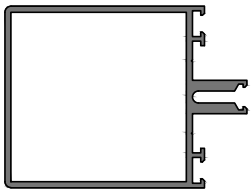
LAVORAZIONE TRAVERSI TIPICI, PRESSORI E COPERTINE DA 50mm

WORKING DIAGRAM FOR TYPICAL TRANSOM AND 50mm PRESSURE PLATE



TRAVERSO TIPICO
TIPICAL TRANSOM

K 821

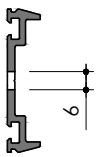


* PROFONDITA' DELLA LAVORAZIONE IN FUNZIONE DEL TIPO DI MENSOLA ADOTTATA. UTILIZZARE TRANCIANTE 909329

DEPTH MACHINING DEPENDING ON THE BRACKET ADOPTED

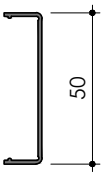
PRESSORE TRAVERSO
TRANSOM PRESSURE PLATE

K 855



COPERTINA TRAVERSO
TRANSOM SNAP-ON COVER

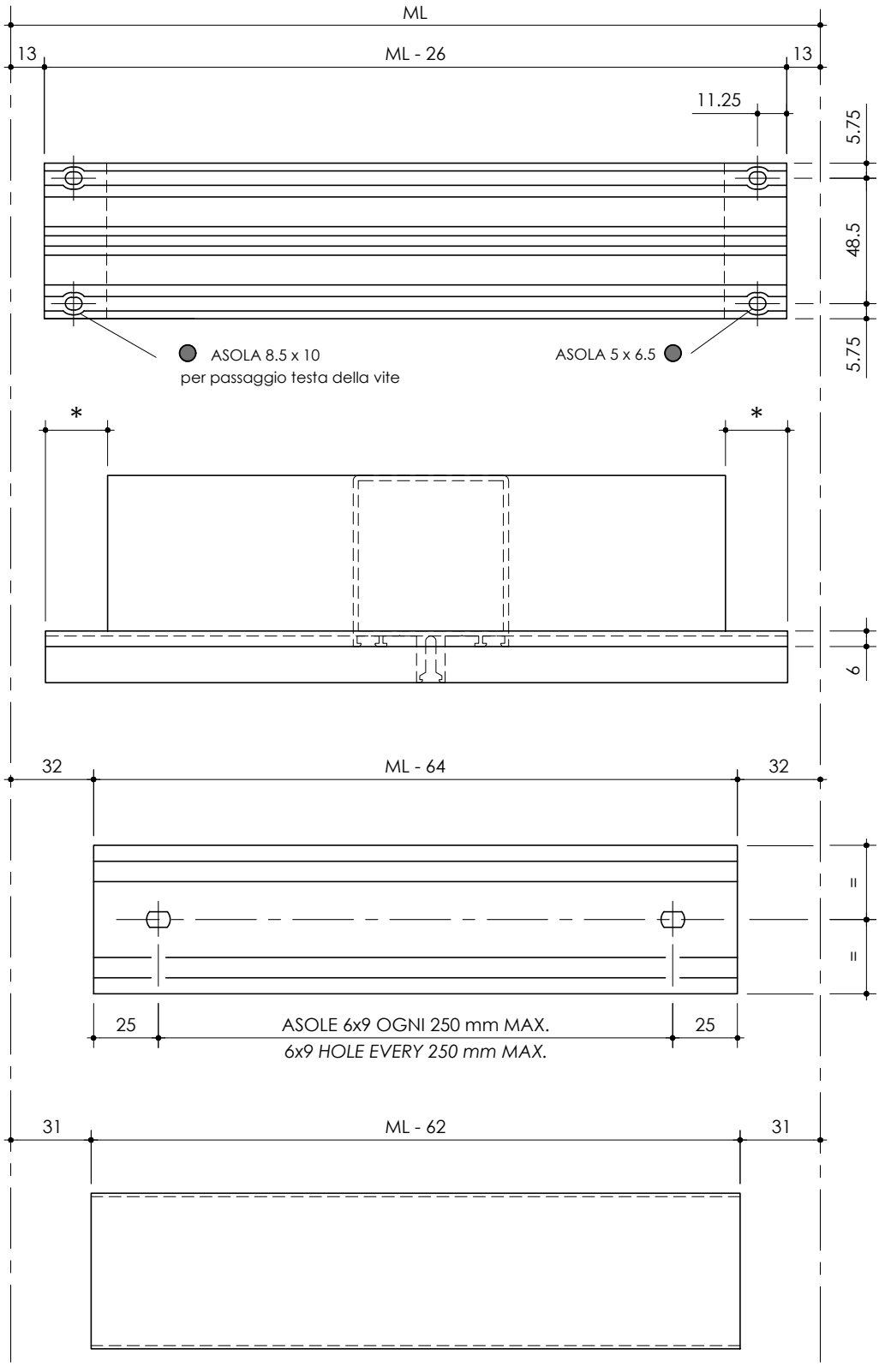
K 852



PER ESECUZIONE ASOLE UTILIZZARE TRANCIANTE 909230
TO EXECUTE THE SLOTTED HOLES USE 909230 BLANKING MACHINE

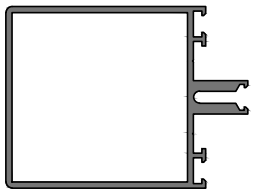
LAVORAZIONE TRAVERSI TIPICI, PRESSORI E COPERINE DA 60mm CON VITI IN CAVA GUARNIZIONE

MACHINING DIAGRAM FOR TYPICAL TRANSOM, AND 60mm PRESSURE PLATE WITH SCREWS INTO GASKET CAVITY



TRAVERSO TIPICO
TIPICAL TRANSOM

K 821

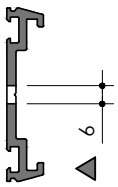


* PROFONDITA' DELLA LAVORAZIONE IN FUNZIONE DEL TIPO DI MENSOLA ADOTTATA. UTILIZZARE TRANCIANTE 909329

DEPTH MACHINING DEPENDING ON THE BRACKET ADOPTED

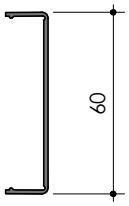
PRESSORE TRAVERSO
TRANSOM PRESSURE PLATE

K 830



COPERTINA TRAVERSO
TRANSOM SNAP-ON COVER

K 832

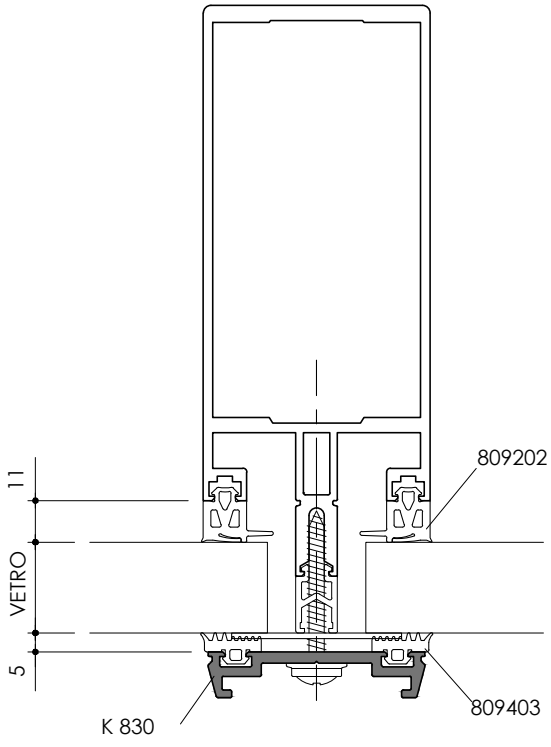


● PER ESECUZIONE ASOLE UTILIZZARE TRANCIANTE 909329
TO EXECUTE THE SLOTTED HOLES USE 909329 BLANKING MACHINE

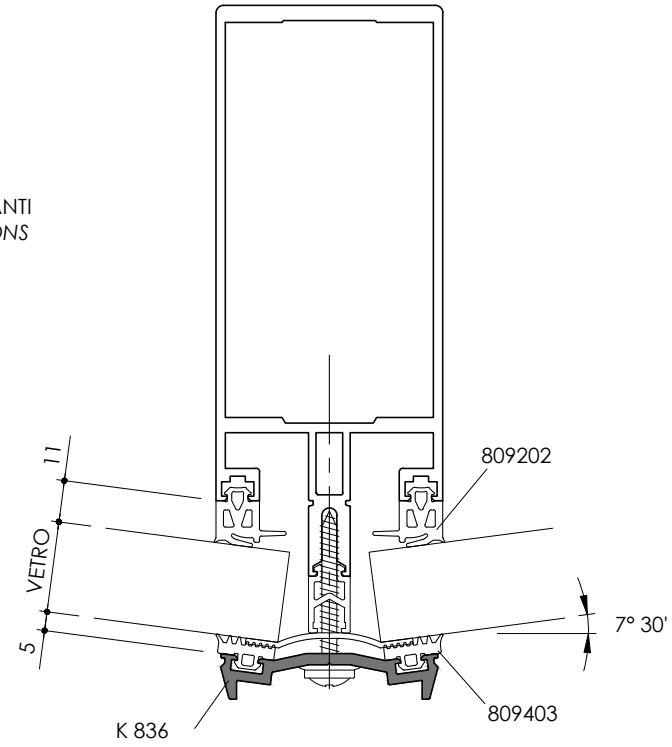
▲ PER ESECUZIONE ASOLE UTILIZZARE TRANCIANTE 909230
TO EXECUTE THE SLOTTED HOLES USE 909230 BLANKING MACHINE

SCHEMA FISSAGGIO PRESSORE K830 / K836

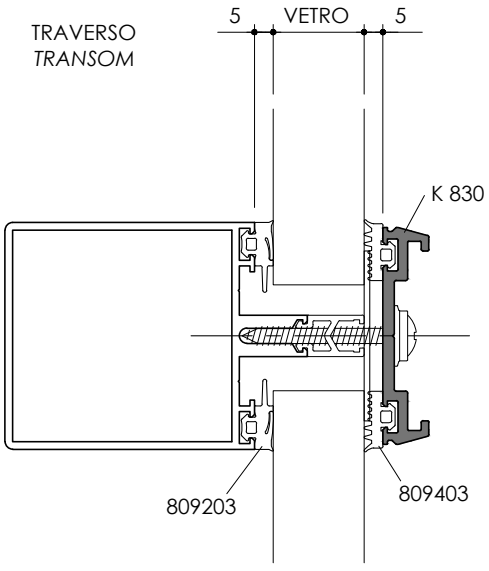
K830 / K836 PRESSURE PLATE FASTENING DIAGRAM



MONTANTI
MULLIONS



TRAVERSO
TRANSOM



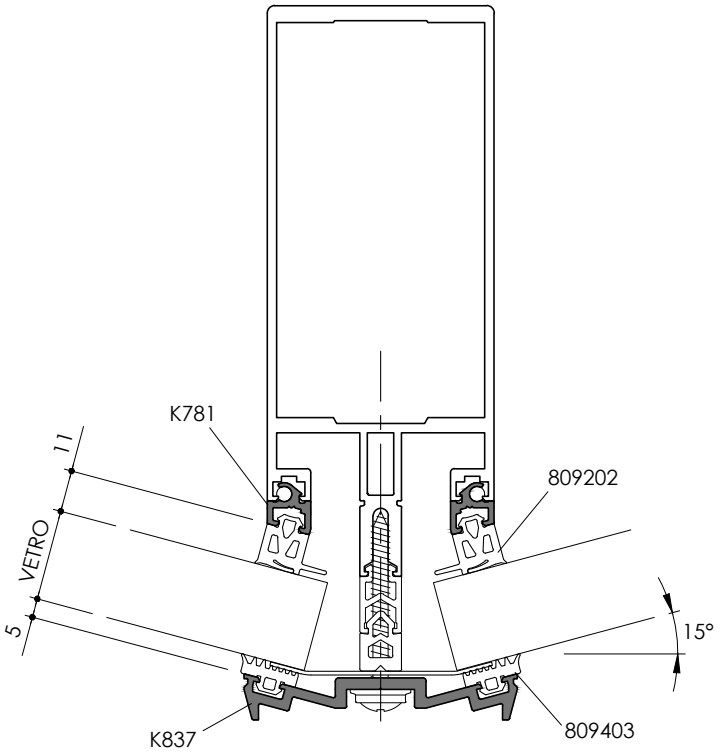
VETRO *GLASS* mm	VITE - *SCREW*	
	LUNGHEZZA *LENGHT*	CODICE *CODE*
22	38	703025
23	38	703025
24	41	703026
25	41	703026
26	41	703026
27	44	703027
28	44	703027
29	44	703027
30	47	703028
32	47	703028
34	50	703029
36	54	703030

La tabella per l'impiego delle viti è indicativa, le tolleranze dimensionali delle guarnizioni, delle viti e dello spessore del vetro possono variare in maniera significativa la misura nominale. Si dovrà verificare che la vite, a pressore fissato, non vada a toccare il fondocava e che non resti staccata più di 4 mm dal fondo per garantire un'adeguata presa della filettatura. Le viti dovranno essere utilizzate con le rondelle in nylon ad interasse max. 250 mm

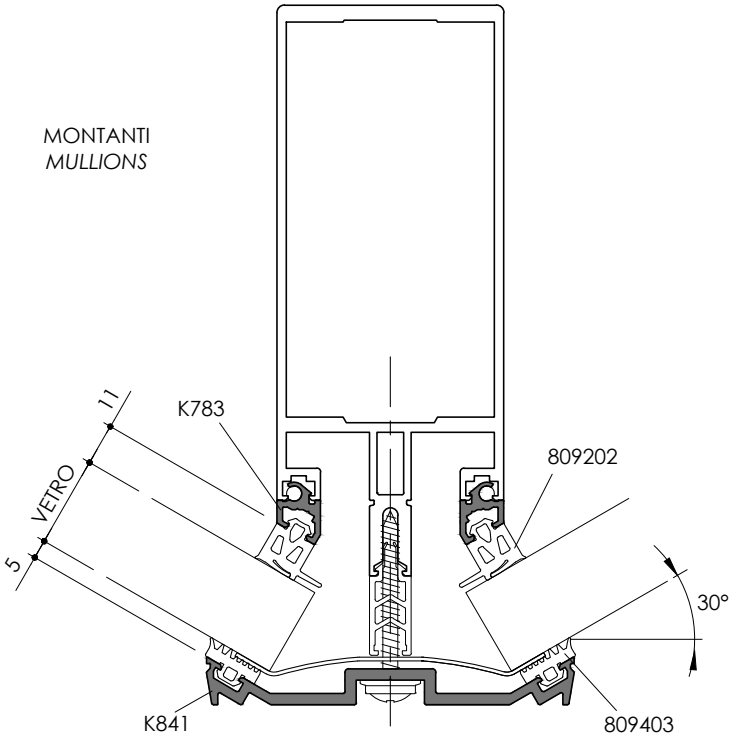
Screw application diagram is given as an example, tollerances of gaskets, screws and glass thickness could change significantly from nominal dimension. Verify that the screw, when the pressure plate is fixed, is detached from the mullion cavity but not more then 4 mm. Screws must always be accompained by washers and spaced max. 250 mm.

SCHEMA FISSAGGIO PRESSORE K837 / K841

K837 / K841 PRESSURE PLATE FASTENING DIAGRAM



VETRO *GLASS* mm	VITE - *SCREW*	
	LUNGHEZZA *LENGHT*	CODICE *CODE*
22	47	703028
23	47	703028
24	47	703028
25	50	703029
26	50	703029
27	50	703029
28	50	703029
29	54	703030
30	54	703030
32	57	703031
34	57	703031
36	60	703032

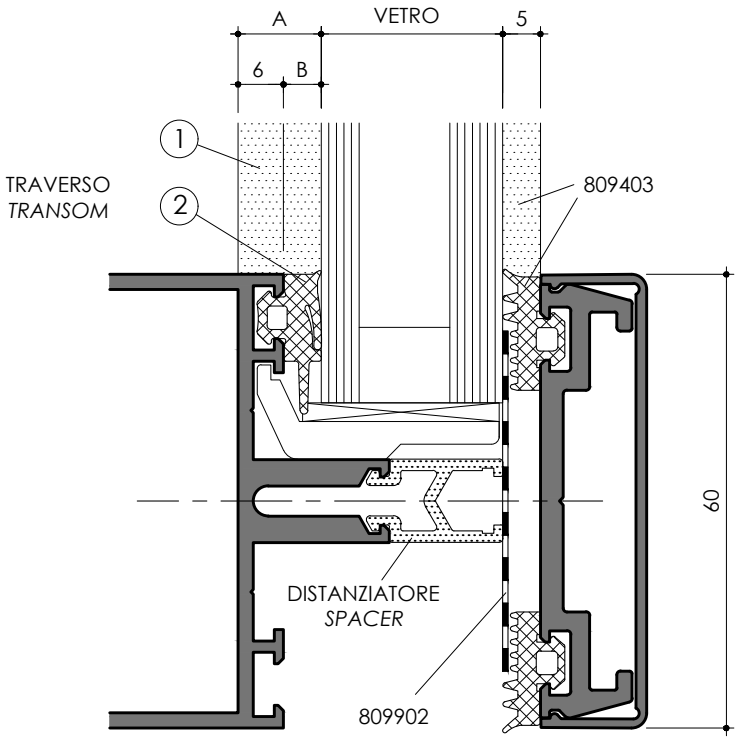


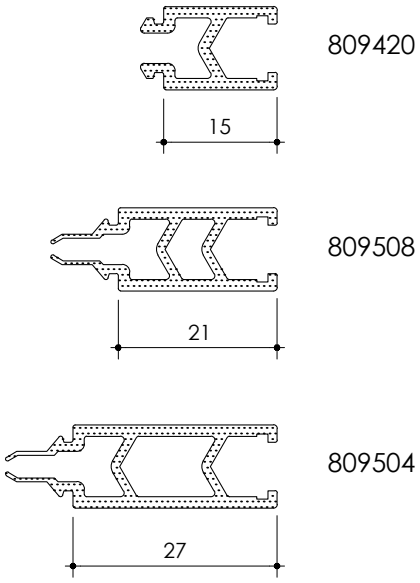
VETRO *GLASS* mm	VITE - *SCREW*	
	LUNGHEZZA *LENGHT*	CODICE *CODE*
22	44	703027
23	44	703027
24	44	703027
25	47	703028
26	47	703028
27	50	703029
28	50	703029
29	50	703029
30	54	703030
32	54	703030
34	57	703031
36	60	703032

La tabella per l'impiego delle viti è indicativa, le tolleranze dimensionali delle guarnizioni, delle viti e dello spessore del vetro possono variare in maniera significativa la misura nominale. Si dovrà verificare che la vite, a pressore fissato, non vada a toccare il fondocava e che non resti staccata più di 4 mm dal fondo per garantire un'adeguata presa della filettatura. Le viti dovranno essere utilizzate con le rondelle in nylon ad interasse max. 250 mm

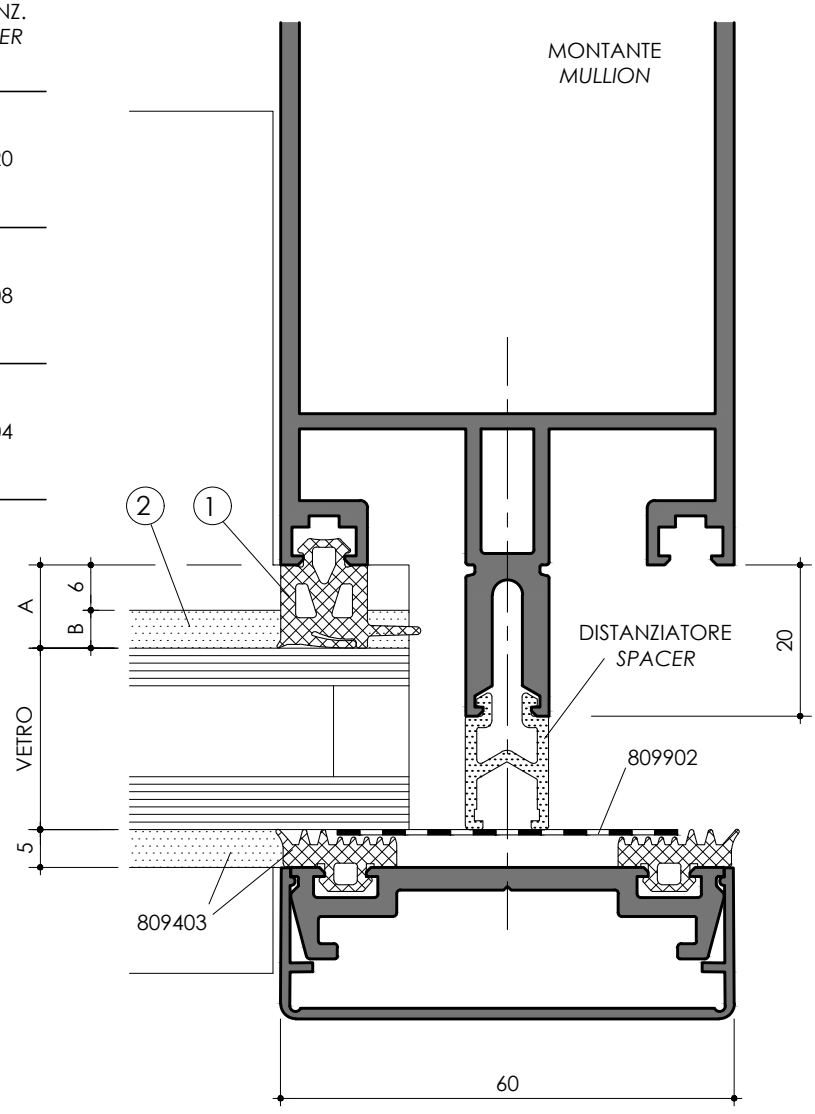
Screw application diagram is given as an example, tollerances of gaskets, screws and glass thickness could change significantly from nominal dimension. Verify that the screw, when the pressure plate is fixed, is detached from the mullion cavity but not more then 4 mm. Screws must always be accompained by washers and spaced max. 250 mm.

SCHEMA DI VETRAZIONE CON NASTRO BUTILICO
GLAZING DIAGRAM WITH SEALANT BUTYLIC BAND

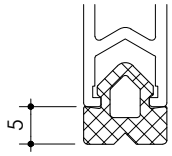




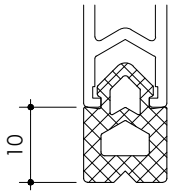
VETRO GLASS mm	A mm	B mm	GUARNIZIONE *GASKET* ①	GUARNIZIONE *GASKET* ②	DISTANZ. *SPACER*
22	13	7	809204	809205	
24	11	5	809202	809203	809420
26	11	5	809202	809203	
28	13	7	809204	809205	
30	11	5	809202	809203	809508
32	9	3	809200	809201	
34	13	7	809204	809205	
36	11	5	809202	809203	809504
38	9	3	809200	809201	



EVENTUALI DISTANZIATORI AGGIUNTIVI
POSSIBLE ADDITIONAL SPACERS



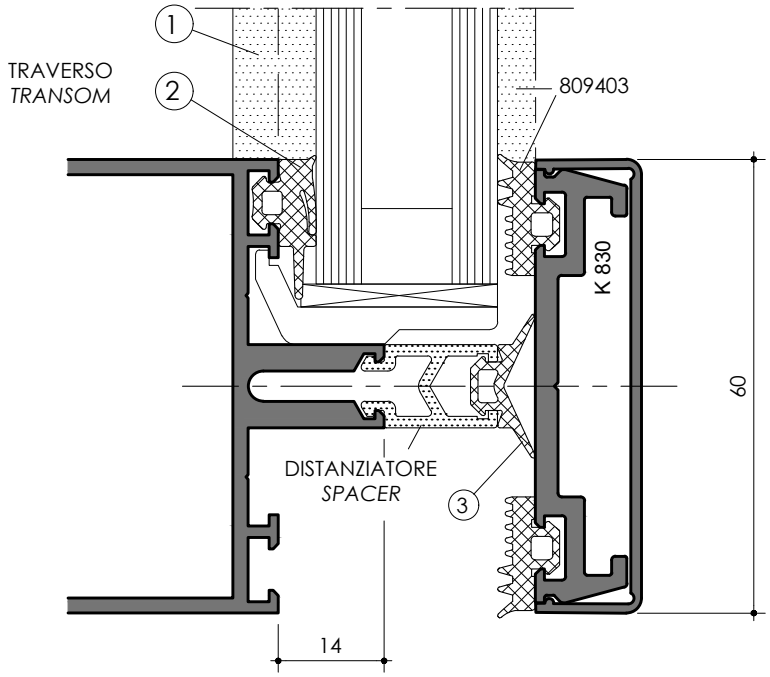
809413

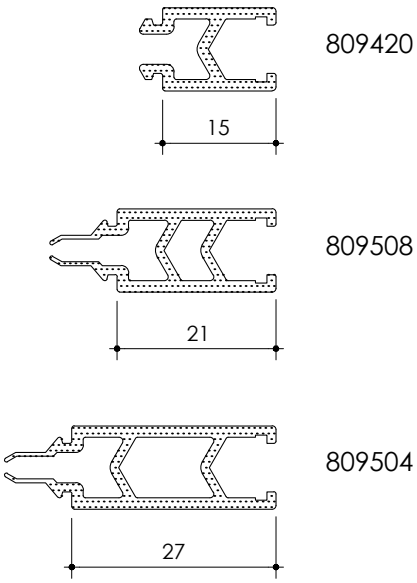


809414

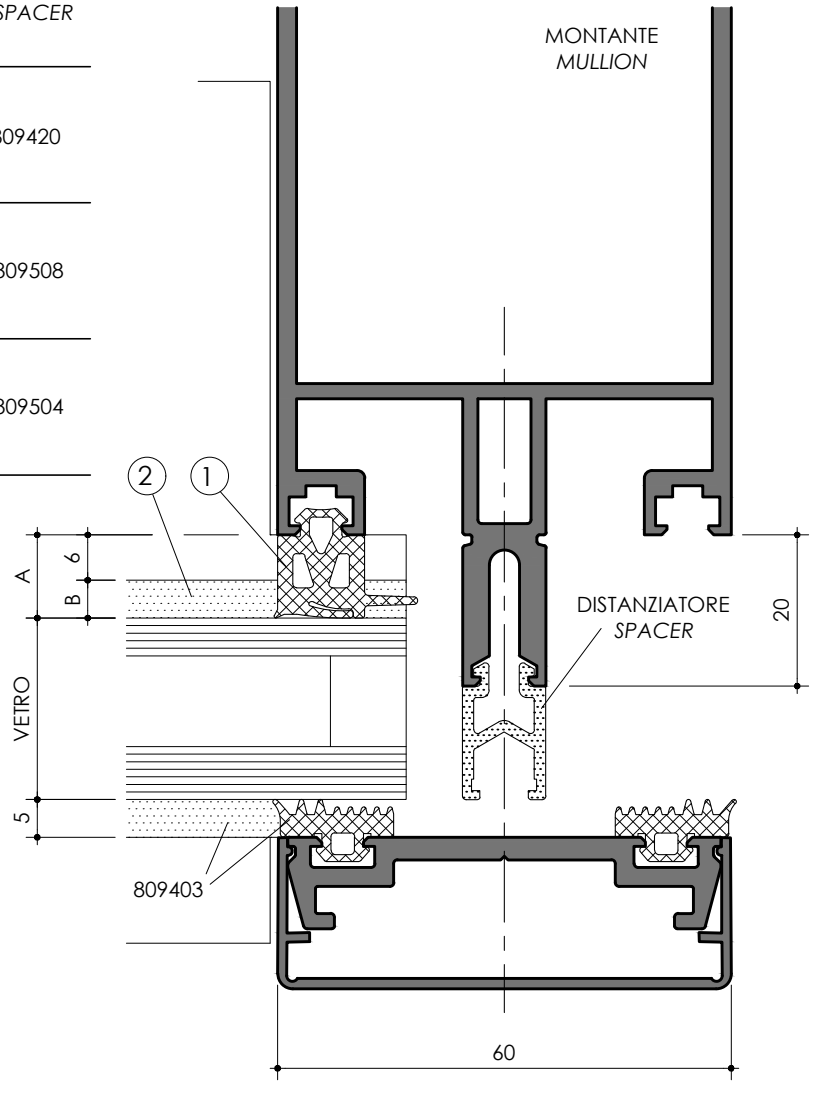
SCHEMA DI VETRAZIONE SENZA NASTRO BUTILICO
GLAZING DIAGRAM WITHOUT SEALANT BUTYLIC BAND

DA UTILIZZARE CON FLANGIA 709390
TO USE WITH 709390 FLANGE

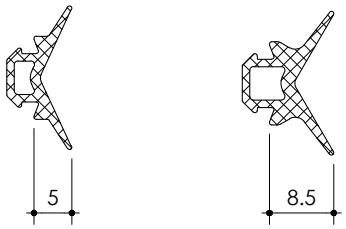




VETRO GLASS mm	A mm	B mm	GUARNIZIONE GASKET ①	②	③	DISTANZ. SPACER
22	13	7	809204	809205	809207	
24	11	5	809202	809203	809207	809420
26	11	5	809202	809203	809208	
28	13	7	809204	809205	809207	
30	11	5	809202	809203	809207	809508
32	9	3	809200	809201	809207	
34	13	7	809204	809205	809207	
36	11	5	809202	809203	809207	809504
38	9	3	809200	809201	809207	



GUARNIZIONI PER TRAVERSI
TRANSOMS GASKETS



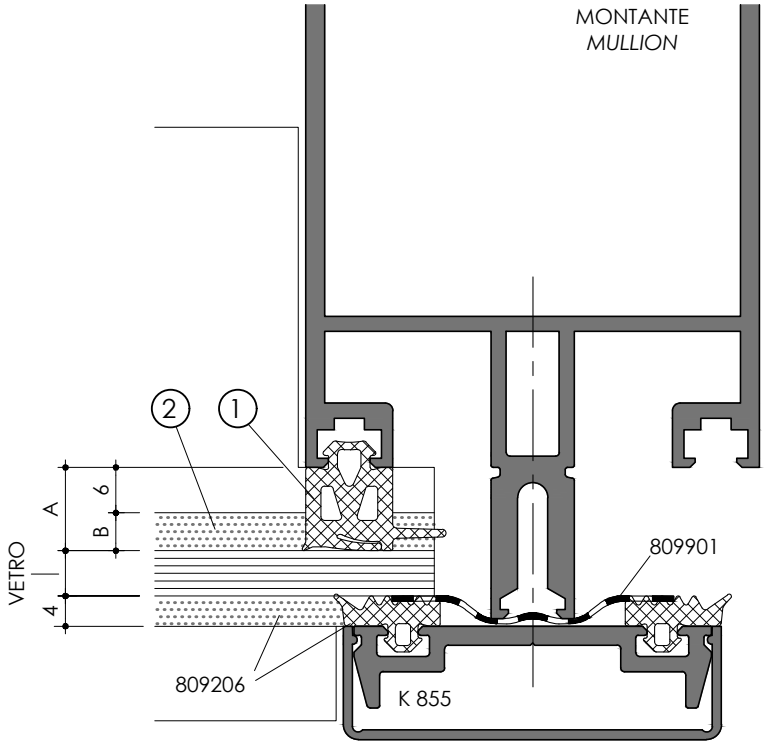
spazio 3 ÷ 5mm

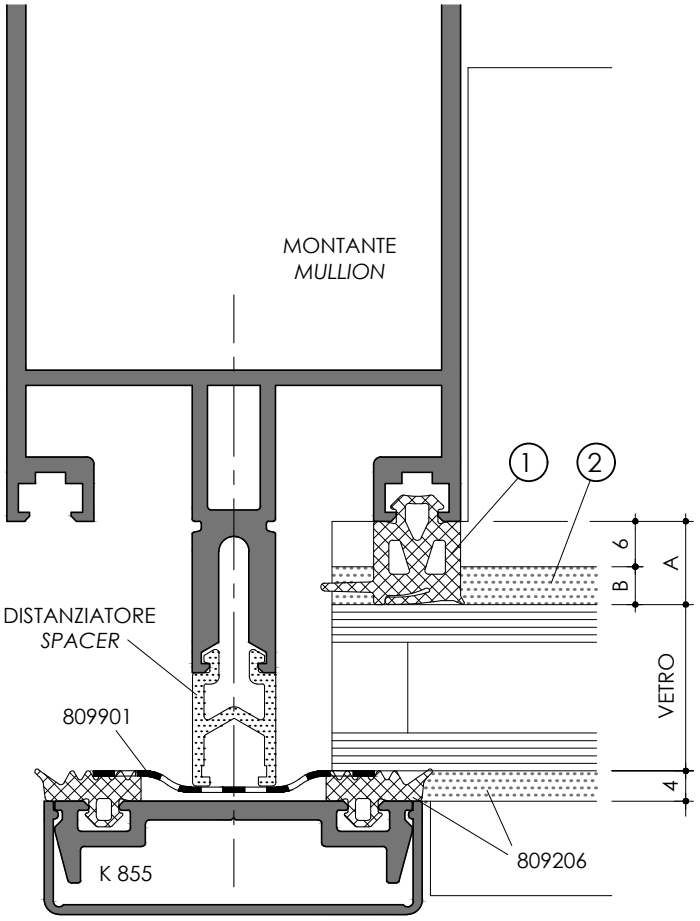
spazio 5 ÷ 8.5mm

SCHEMA DI VETRAZIONE SL60 CON PRESSORE K855

SL60 GLAZING DIAGRAM WITH K855 PRESSURE PLATE

VETRO GLASS mm	A mm	B mm	GUARNIZIONE *GASKET* ①	②
4	13	7	809204	809205
5	13	7	809204	809205
6	11	5	809202	809203
8	11	5	809202	809203
10	9	3	809200	809201
11	9	3	809200	809201
12	9	3	809200	809201

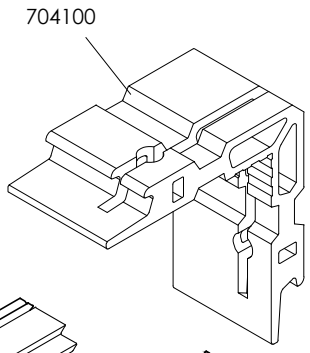


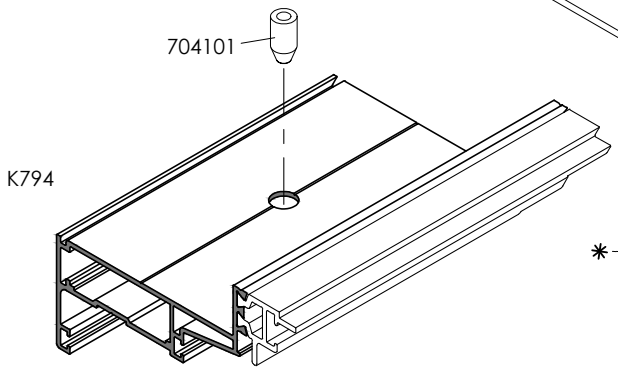


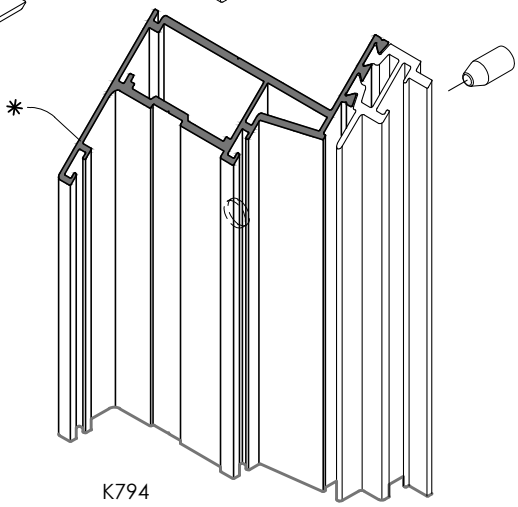
VETRO GLASS mm	A mm	B mm	GUARNIZIONE *GASKET* ①	②	DISTANZ. *SPACER*
22	13	7	809204	809205	
24	11	5	809202	809203	809420
26	11	5	809202	809203	
28	13	7	809204	809205	
30	11	5	809202	809203	809508
32	9	3	809200	809201	
34	13	7	809204	809205	
36	11	5	809202	809203	809504
38	9	3	809200	809201	

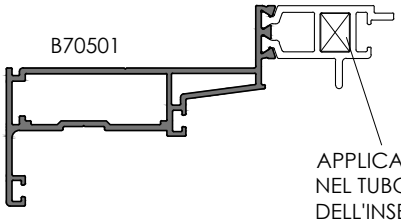
UNIONE ANGOLARE STIPITI CON SQUADRETTE A SPINARE
FIXED FRAMES ASSEMBLING WITH DIAGRAM RIVETED CORNER JOINT

PROFILO *SECTION*	INTERNA *INTERNAL*	ESTERNA *EXTERNAL*
K794	704100	-
B70501	704100	710103





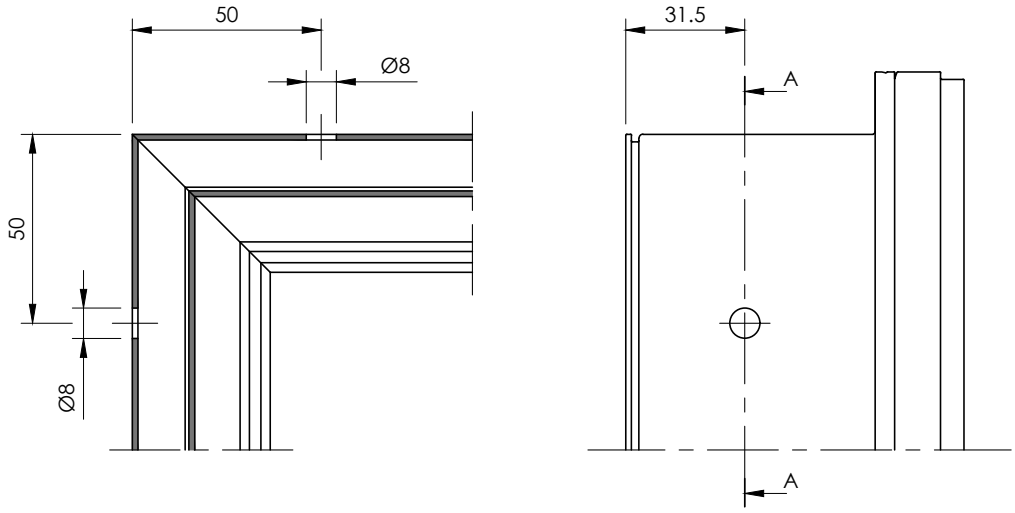




APPLICARE COLLANTE EPOSSIDICO O POLIURETANICO
NEL TUBOLARE PRIMA
DELL'INSERIMENTO DELLA SQUADRETTA 710103

TUBULAR SHALL BE GLUED WITH EPOXY OR POLYURATHANE GLUE BEFORE 710103 CORNER JOINT ASSEMBLING

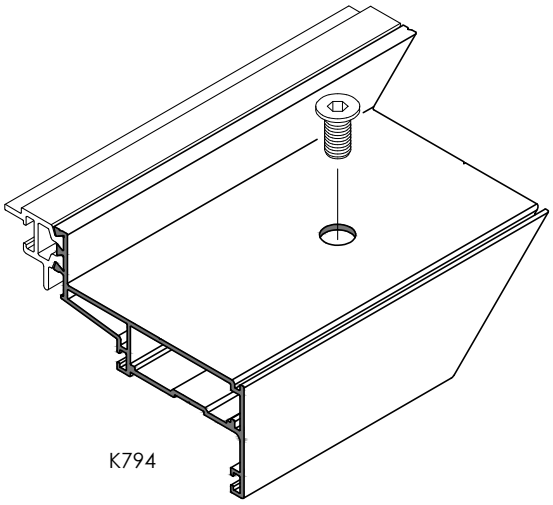
SEZ. A-A

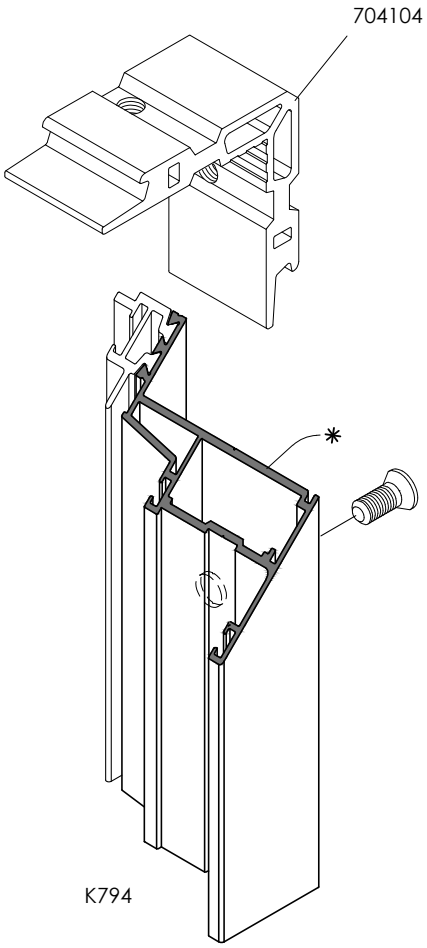


(*) APPLICARE SIGILLANTE SILICONICO SULLE SUPERFICI DI CONNESSIONE DELL'ANGOLO PRIMA DELL'UNIONE A TELAIO
APPLY SILICONE SEALING ON CONNECTION CORNER SURFACES BEFORE FRAME ASSEMBLING

PER ESEGUIRE QUESTE LAVORAZIONI UTILIZZARE TRANCIANTE 909350
TO EXECUTE THESE DRILLINGS USE 909350 BLANKING MACHINE

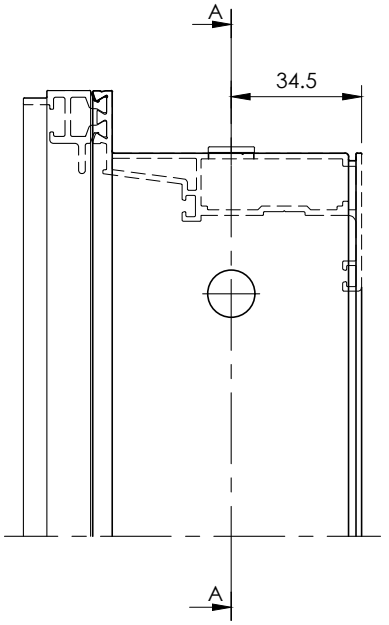
UNIONE ANGOLARE STIPITI CON SQUADRETTE A VITE
FIXED FRAMES AND TO BE SCREW CORNER JOINT ASSEMBLING DIAGRAM

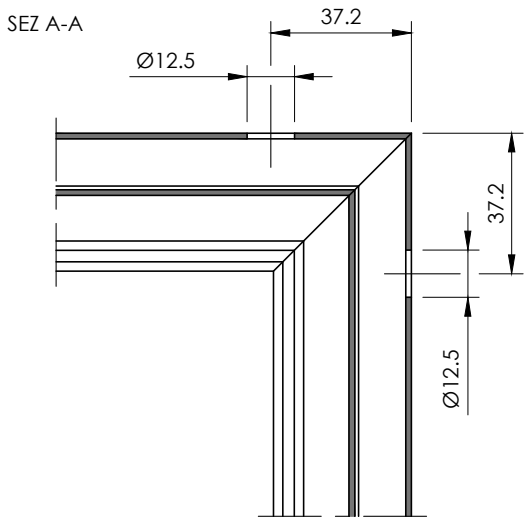




PROFILO *SECTION*	INTERNA *INTERNAL*
K794	704104
B70501	704104

N.B. FARE ATTENZIONE INTERFERENZA VITI CON STRUTTURA
N.B. PAY ATTENTION TO THE INTERFERENCE BETWEEN SCREWS AND LOAD-BEARING STRUCTURE





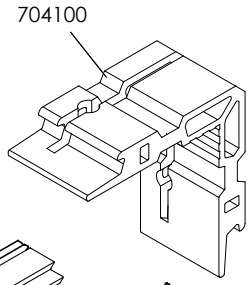
(✳) APPLICARE SIGILLANTE SILICONICO SULLE SUPERFICI DI CONNESSIONE DELL'ANGOLO PRIMA DELL'UNIONE A TELAIO
APPLY SILICONE SEALING ON CONNECTION CORNER SURFACES BEFORE FRAME ASSEMBLING

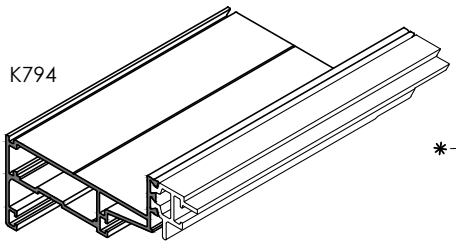
PER ESEGUIRE QUESTE LAVORAZIONI UTILIZZARE TRANCIANTE 909350
TO EXECUTE THESE DRILLINGS USE 909350 BLANKING MACHINE

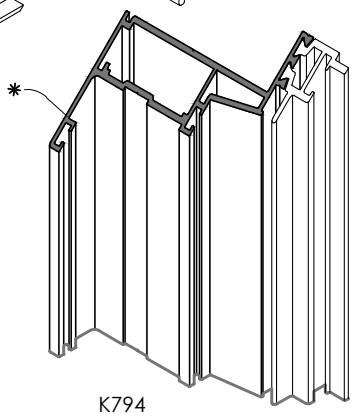
UNIONE ANGOLARE CON SQUADRETTE A CIANFRINARE
CALKING CORNER JOINT ASSEMBLING DIAGRAM

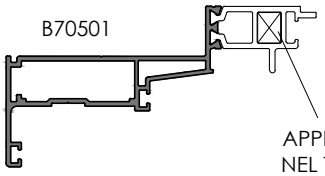
STIPITE - *FRAME*

PROFILO *SECTION*	INTERNA *INTERNAL*	ESTERNA *EXTERNAL*
K794	704100	-
B70501	704100	710103





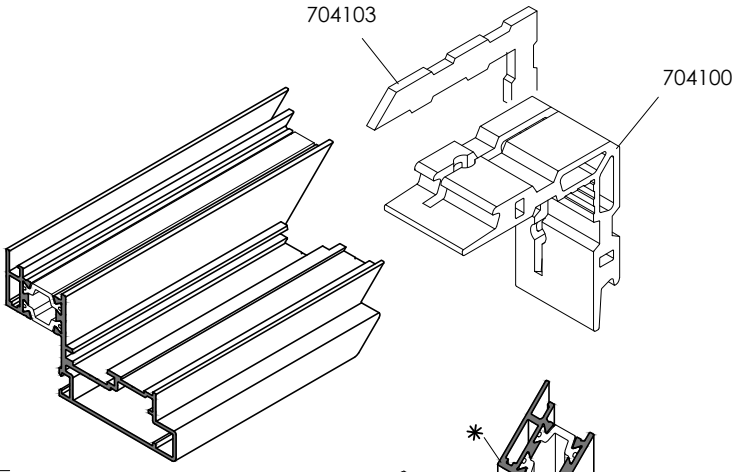




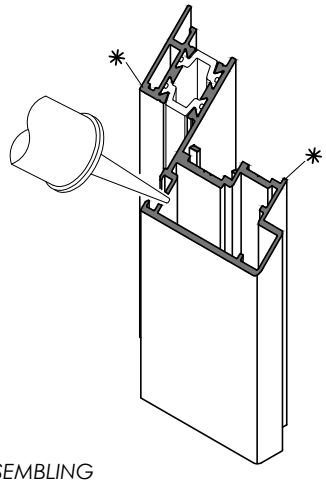
APPLICARE COLLANTE EPOSSIDICO O POLIURETANICO
NEL TUBOLARE PRIMA
DELL'INSERIMENTO DELLA SQUADRETTA 710103

TUBULAR SHALL BE GLUED WITH EPOXY OR POLYURATHANE GLUE BEFORE 710103 CORNER JOINT ASSEMBLING

BATTENTE - *WING*



PROFILO *SECTION*	INTERNA *INTERNAL*	ESTERNA *EXTERNAL*
K791	704100	704103
K792	704100	704103
K796	704100	-
U70500	704100	704103
U70601	704100	704103

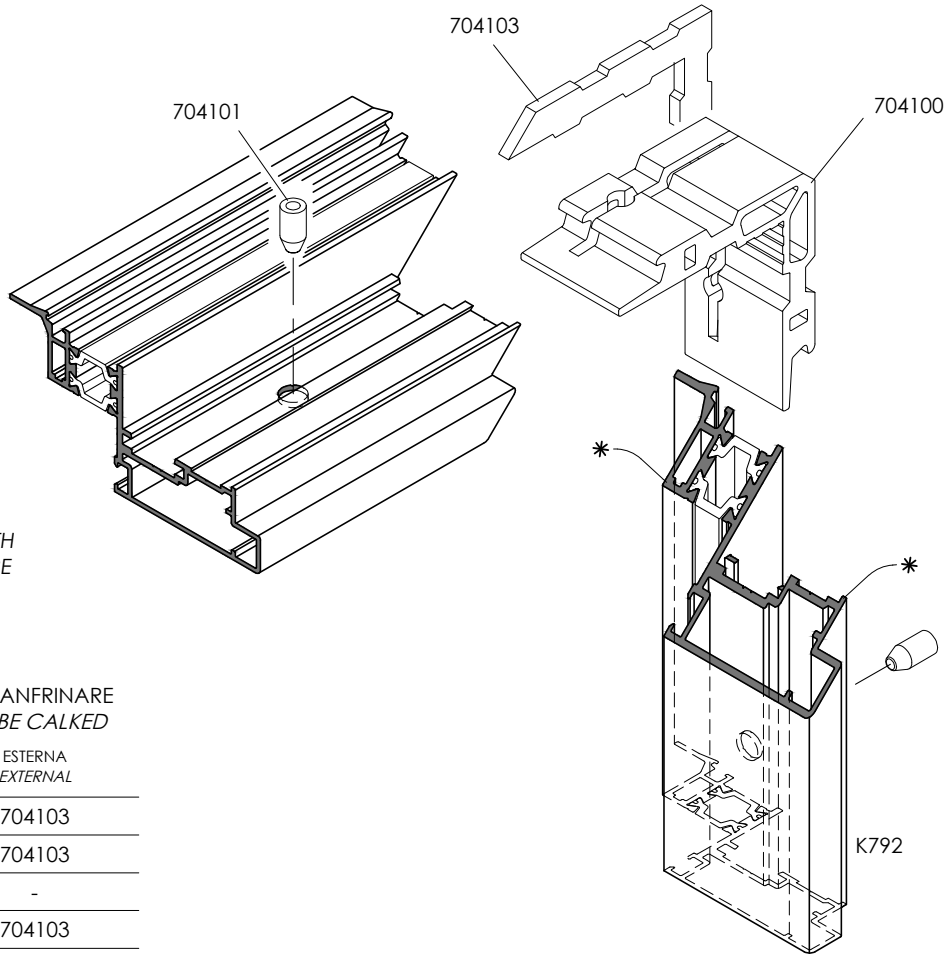


APPLICARE COLLANTE EPOSSIDICO O POLIURETANICO NEI TUBOLARI PRIMA
DELL'INSERIMENTO E CIANFRINATURA DELLE SQUADRETTE

TUBULAR SHALL BE GLUED WITH EPOXY OR POLYURATHANE GLUE BEFORE CORNER JOINT ASSEMBLING

(*) APPLICARE SIGILLANTE SILICONICO SULLE SUPERFICI DI CONNESSIONE DELL'ANGOLO PRIMA DELL'UNIONE A TELAIO
APPLY SILICONE SEALING ON CONNECTION CORNER SURFACES BEFORE FRAME ASSEMBLING

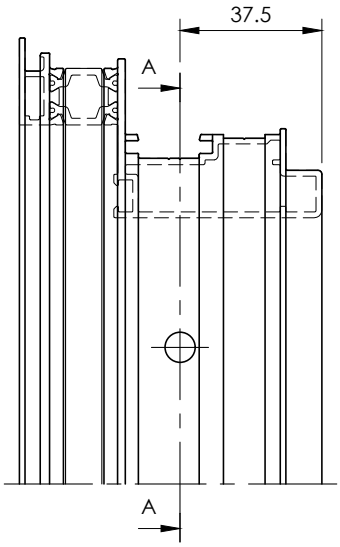
UNIONE ANGOLARE BATTENTI CON SQUADRETTE A SPINARE
WINGS ASSEMBLING DIAGRAM WITH RIVETED CORNER JOINT

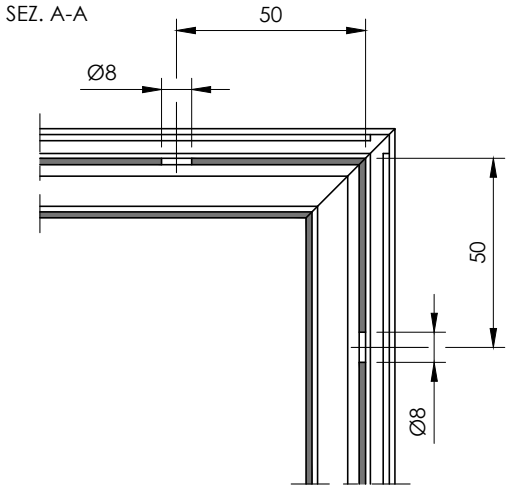


APPLICARE COLLANTE EPOSSIDICO O POLIURETANICO NEI TUBOLARI ESTERNI PRIMA DELL'INSERIMENTO E CIANFRINATURA DELLE SQUADRETTE

EXTERNAL TUBULAR SHALL BE GLUED WITH EPOXY OR POLYURATHANE GLUE BEFORE CORNER JOINT ASSEMBLING

PROFILO *SECTION*	A SPINARE *TO BE RIVETED*	A CIANFRINARE *TO BE CALKED*
	INTERNA *INTERNAL*	ESTERNA *EXTERNAL*
K791	704100	704103
K792	704100	704103
K796	704100	-
U70500	704100	704103
U70601	704100	704103



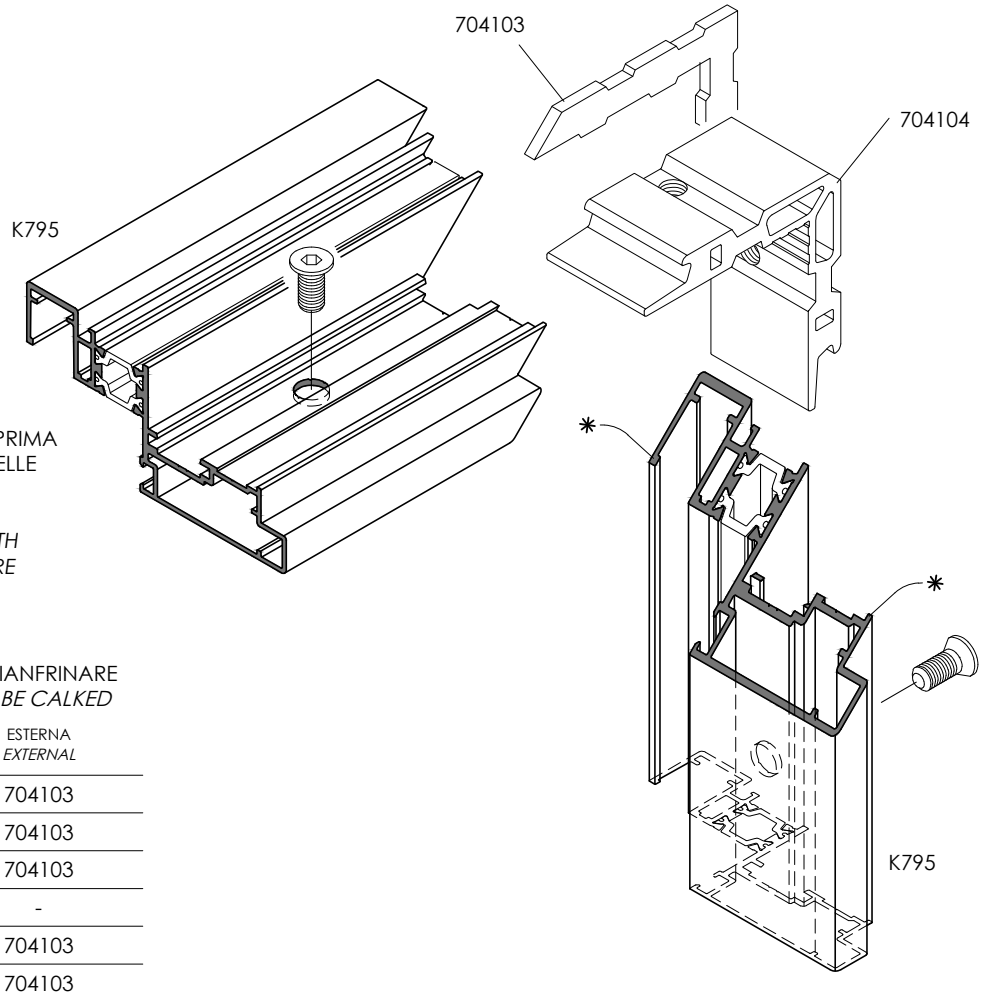


(*) APPLICARE SIGILLANTE SILICONICO SULLE SUPERFICI DI CONNESSIONE DELL'ANGOLO PRIMA DELL'UNIONE A TELAIO
APPLY SILICONE SEALING ON CONNECTION CORNER SURFACES BEFORE FRAME ASSEMBLING

PER ESEGUIRE QUESTE LAVORAZIONI UTILIZZARE TRANCIANTE 909350
TO EXECUTE THESE DRILLINGS USE 909350 BLANKING MACHINE

SPINATURA DA ESEGUIRE A MANO CON 904011
HAND WORKED WITH 904011 PIN LOCKING

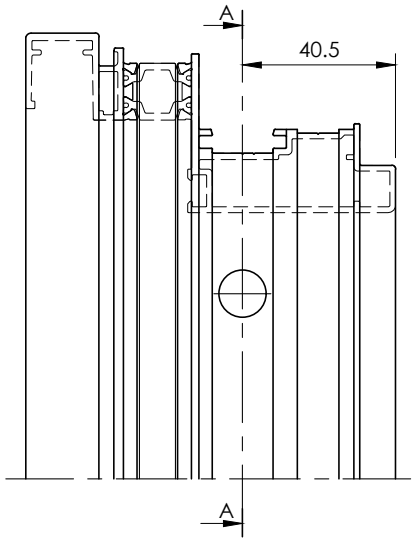
UNIONE ANGOLARE BATTENTI CON SQUADRETTE A VITE
WINGS ASSEMBLING DIAGRAM WITH SCREW CORNER JOINT

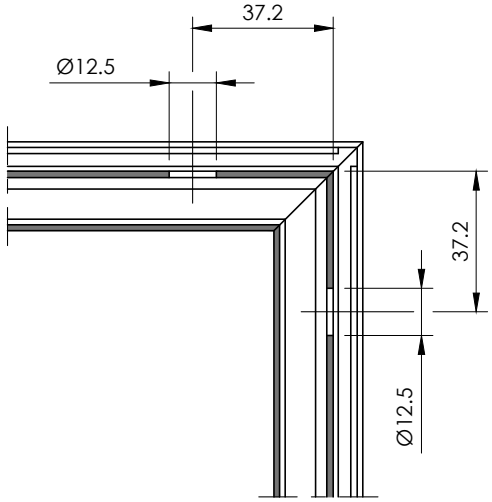


APPLICARE COLLANTE EPOSSIDICO O POLIURETANICO NEI TUBOLARI ESTERNI PRIMA DELL'INSERIMENTO E CIANFRINATURA DELLE SQUADRETTE

EXTERNAL TUBULAR SHALL BE GLUED WITH EPOXY OR POLYURATHANE GLUE BEFORE CORNER JOINT ASSEMBLING

PROFILO *SECTION*	A VITE *TO BE SCREWED*	A CIANFRINARE *TO BE CALKED*
	INTERNA *INTERNAL*	ESTERNA *EXTERNAL*
K791	704104	704103
K792	704104	704103
K795	704104	704103
(K796)	704104	-
U70500	704104	704103
U70600	704104 ⚠	704103
U70601	704104	704103





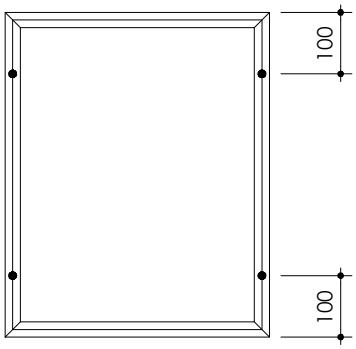
✳ APPLICARE SIGILLANTE SILICONICO SULLE SUPERFICI DI CONNESSIONE DELL'ANGOLO PRIMA DELL'UNIONE A TELAIO
APPLY SILICONE SEALING ON CONNECTION CORNER SURFACES BEFORE FRAME ASSEMBLING

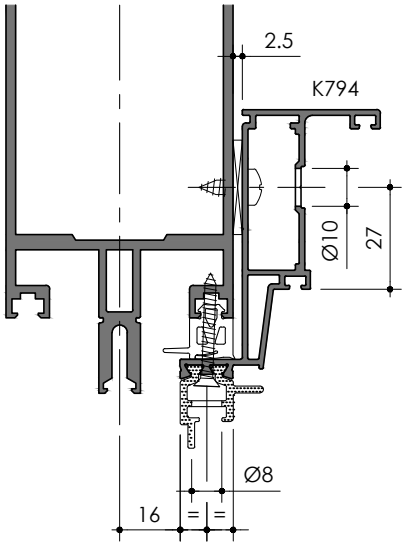
PER ESEGUIRE QUESTE LAVORAZIONI UTILIZZARE TRANCIANTE 909350
TO EXECUTE THESE DRILLINGS USE 909350 BLANKING MACHINE

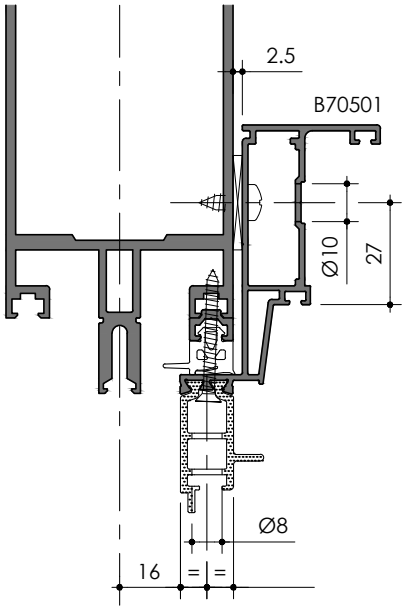
⚠ Non forabile con tranciante - *Cannot drill with blanking machine*

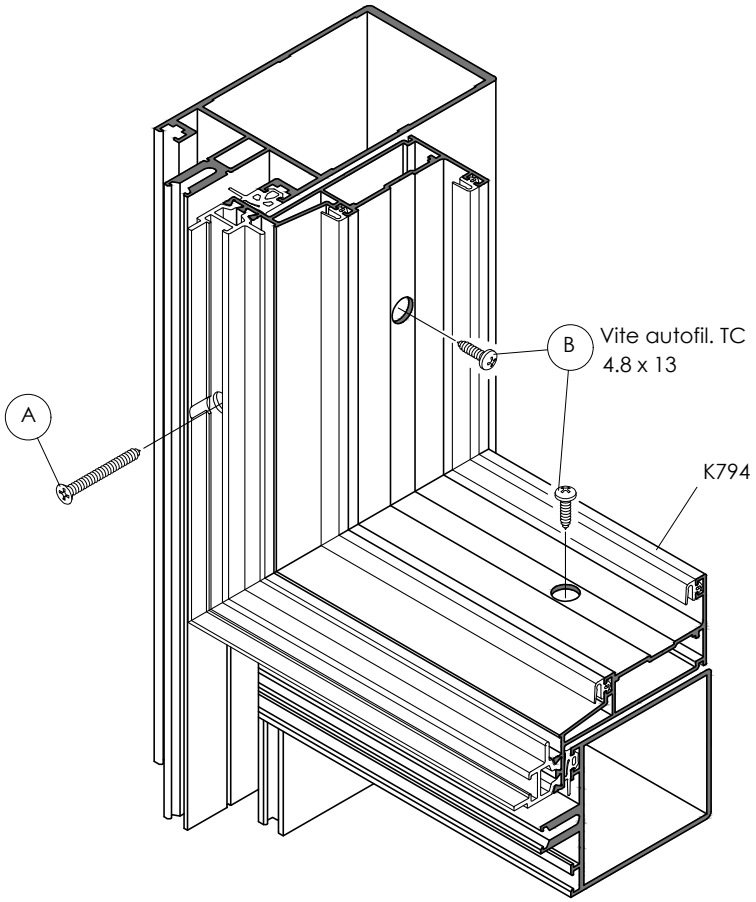
SCHEMA DI FISSAGGIO STIPITE SPORGERE
TOP - HUNG WINDOW JAMB FIXING DIAGRAM

PUNTO DI FISSAGGIO
LOCKING POINT









(A) Applicare 4 viti frontali (autofill. TSP 3.5 mm) per garantire in fase di montaggio il contatto del serramento con la guarnizione interna

VERIFICARE LA LUNGHEZZA DELLA VITE IN FUNZIONE DELLA GUARNIZIONE UTILIZZATA
ATTENZIONE! NON FORARE IL FONDO DEL MONTANTE!

(B) Procedere al fissaggio finale del telaio mediante le viti 4.8x13 disposte uniformemente su tutto il perimetro (passo 600 mm).
Sul traverso inferiore sigillare accuratamente i fori.

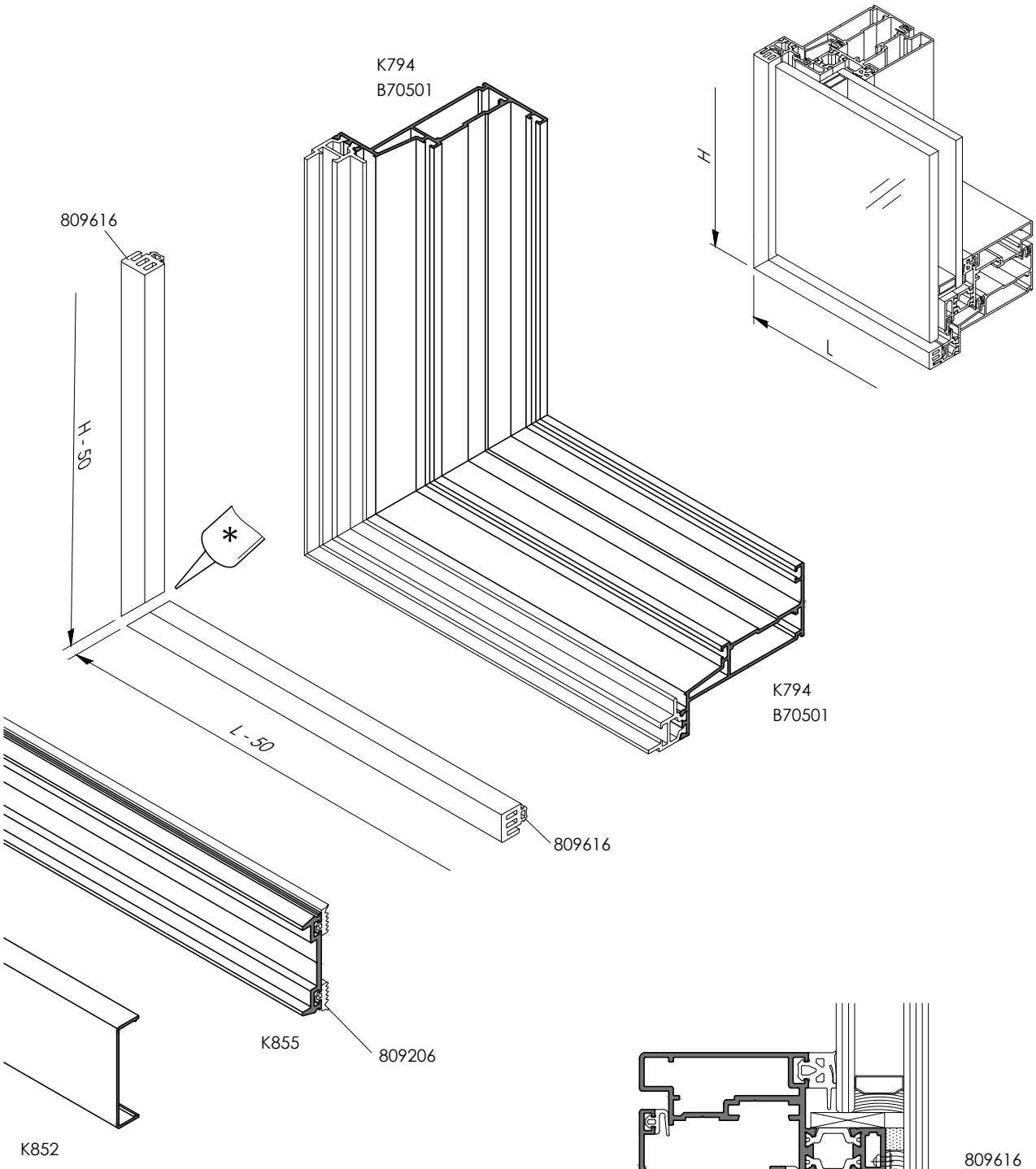
(A) *Apply 4 frontal screw (autofill TSP 3.5 mm) in order to assure contact between window and inner gasket during the assembling*

CHECK THE SCREW LENGHT IN ACCORDING TO USED GASKET
WARNING! DON'T HOLE THE BOTTOM OF MULLION

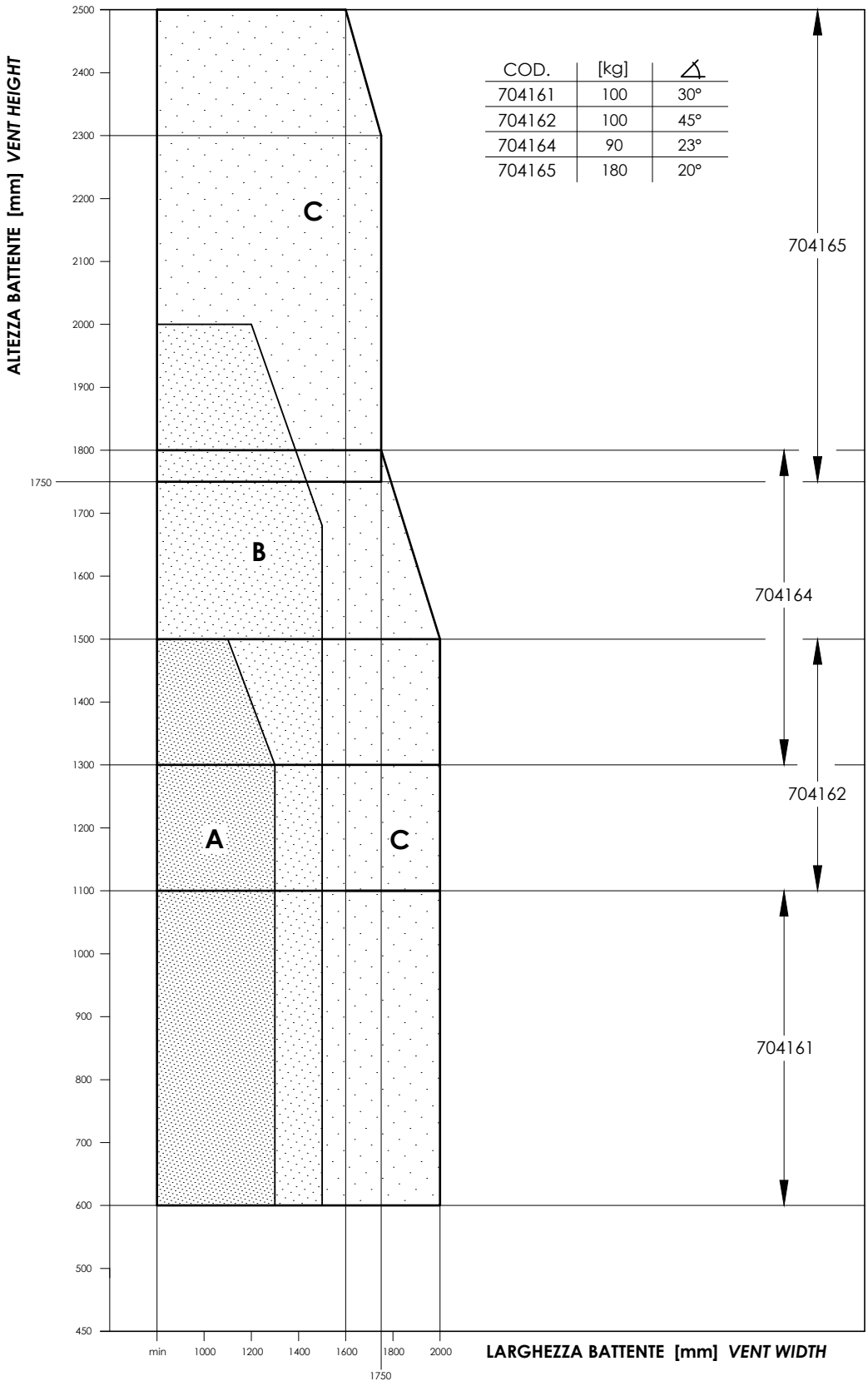
(B) *Proceed to the final fixing of the frame with 4.8x13 screws, arranged evenly around the entire perimeter (each 600 mm).*

On lower transom seal the holes accurately.

DETTAGLIO D'ANGOLO GUARNIZIONI STIPITE SPORGERE
TOP-HUNG GASKET CORNER DETAIL

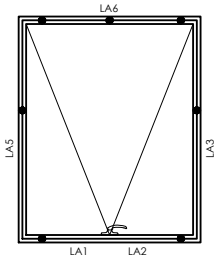


CAMPI DI APPLICAZIONE APERTURE A SPORGERE
TOP HUNG VENT - RANGE OF APPLICATION

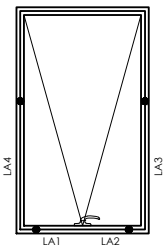


COD.	[kg]	∠
704161	100	30°
704162	100	45°
704164	90	23°
704165	180	20°

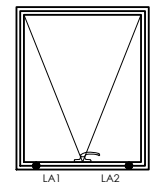
Chiusure
Locking points



Tipo C



Tipo B



Tipo A

Queste dimensioni sono riferite ad un carico di vento fino a 1200 Pa. Per carichi di vento superiori contattare l'ufficio tecnico ALUK per verificare la quantità ed il posizionamento dei punti di chiusura.

These dimensions are referred to a wind load up to 1200 Pa. In case of higher wind loads, it is necessary to get in touch with ALUK technical department in order to verify quantity and positioning of locking points.

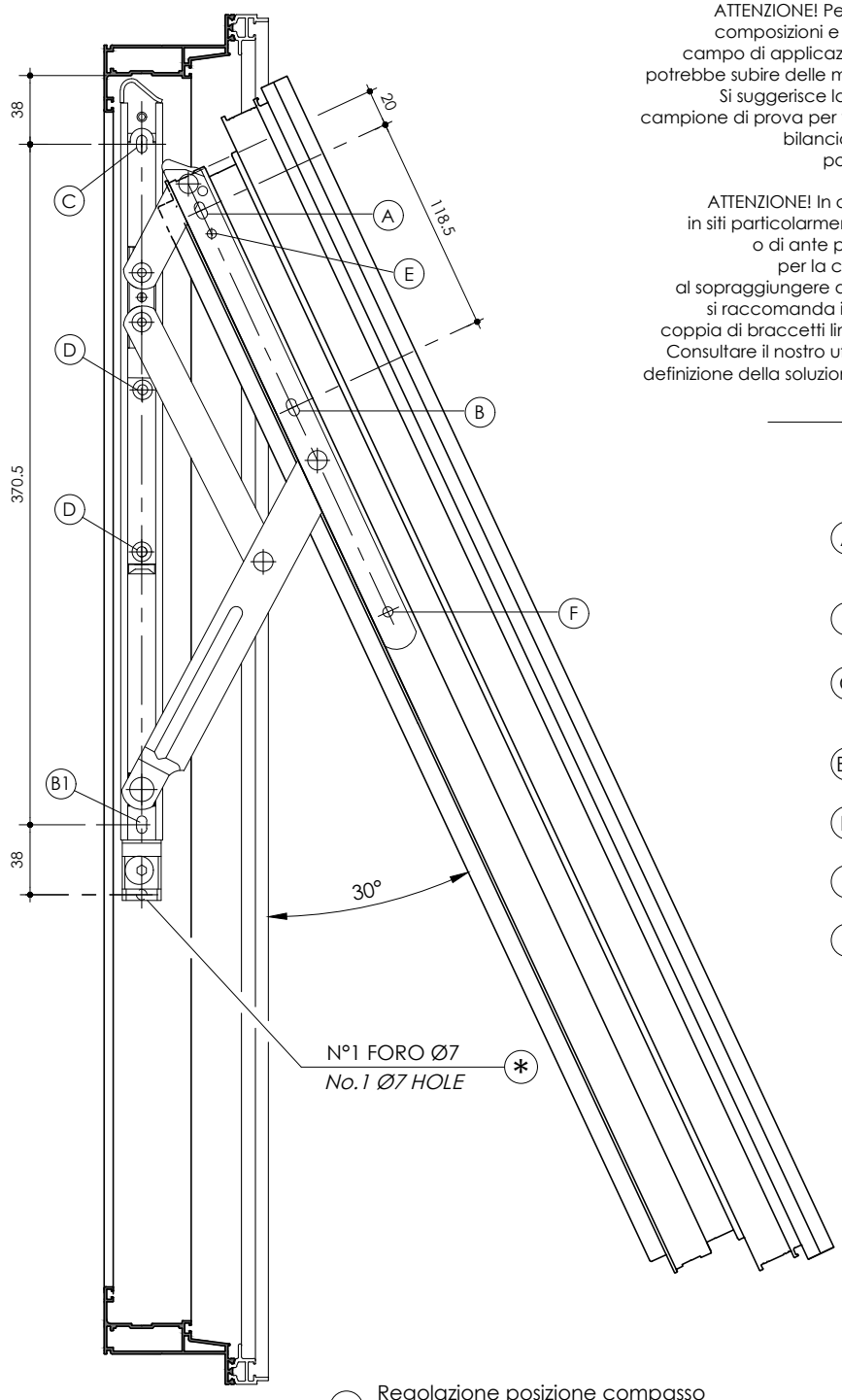
SCHEMA DI MONTAGGIO COMPASSI 704161 PER FINESTRA A SPORGERE
704161 SIDE ARM ASSEMBLING DIAGRAM FOR PROJECTING WINDOW

DA UTILIZZARE CON KIT FISSAGGIO 704159 - *TO BE USED WITH 704159 FASTENING KIT*

Sconsigliato per profili sporgere U70600 e U70601

Not raccomanded for U70600 and U70601 top-hung sections

Angolo di apertura	**30°**	Opening angle
Peso max del battente	**100 Kg**	Wing max weight
Altezza min del battente	**600 mm**	Wing min height
Altezza max del battente	**1100 mm**	Wing max height
Larghezza max del battente	**2000 mm**	Wing max width



(*) Regolazione posizione compasso
Side arm position adjusting device

ATTENZIONE! Per alcune particolari composizioni e spessori del vetro, il campo di applicazione del compasso potrebbe subire delle modifiche in altezza. Si suggerisce la realizzazione di un campione di prova per verificare il corretto bilanciamento dell'anta in posizione di apertura.

WARNING! For some particular glass compositions and thicknesses, the application range of the arms may undergo changes in height.

We suggest the realization of a test sample to verify the correct balancing of the sash.

ATTENZIONE! In caso di installazione in siti particolarmente esposti al vento o di ante prive di automatismi per la chiusura motorizzata al sopraggiungere di fenomeni ventosi, si raccomanda il montaggio di una coppia di braccetti limitatori di apertura. Consultare il nostro ufficio tecnico per la definizione della soluzione più appropriata.

WARNING! In the case of installation in sites particularly exposed to the wind or in case of sashes without automatic controls for the motorized closing when a wind event is coming, it is recommended to install a pair of stay open restrictors. Please contact our technical department for the definition of the best solution in this situation.

SEQUENZA DI FISSAGGIO VITI
SCREWS FIXING SEQUENCE

(A) Vite Automaschiante TC M5x15 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

(B) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(C) Vite Automaschiante TC M5x10 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

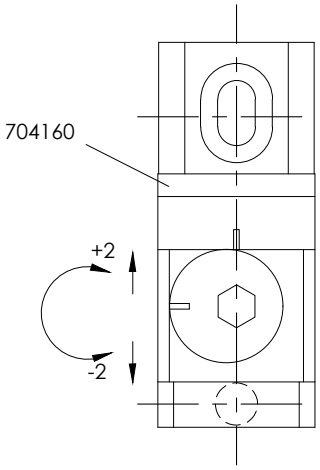
(B1) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(D) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

(E) Autof. 4.8x9.5 TC UNI EN ISO 7049 (§)

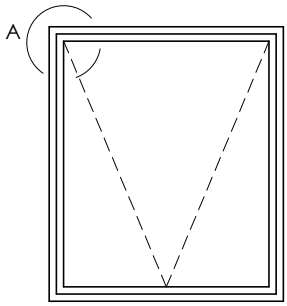
(F) Autof. 4.8x13 TSP UNI EN ISO 7050 (§)

(§) Forare Ø4. Queste viti andranno montate una volta fissate le viti A,B e C
Drill Ø4. Assemble this screws after the A.B and C screws assembling



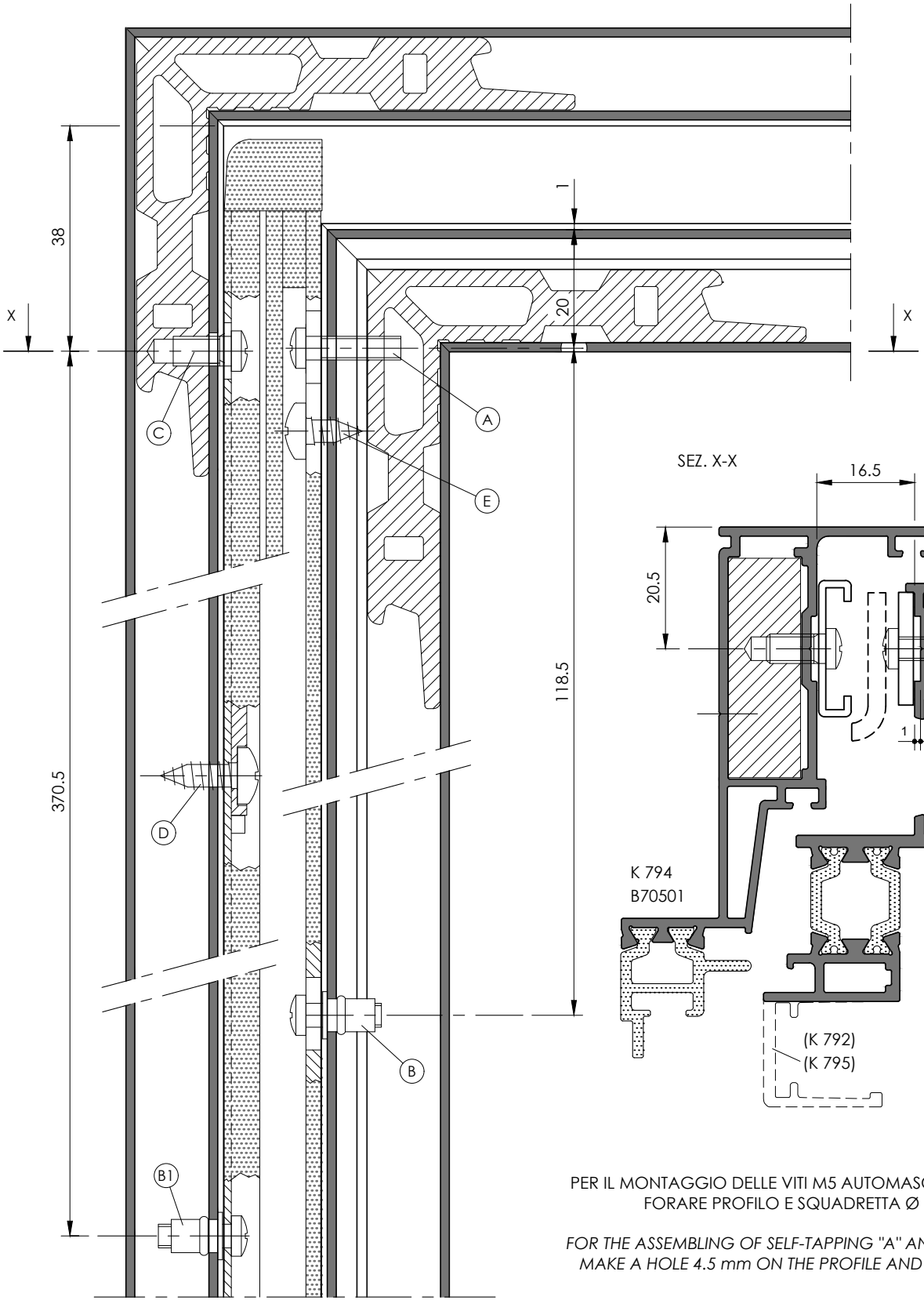
APPLICARE LE VITI AUTOFIL. "D","E","F" CONTROFORANDO IL PROFILO ATTRAVERSO IL COMPASSO A REGOLAZIONE ULTIMATA
APPLY "D","E","F" SELF-TAPPING SCREWS BY DRILLING SECTION THROUGTH SIDE ARM AFTER ADJUSTMENT

SCHEMA DI ASSEMBLAGGIO APERTURA A SPORGERE
CON COMPASSO 704161
PROJECTING WINDOW ASSEMBLING DIAGRAM
WITH 704161 SIDE ARM

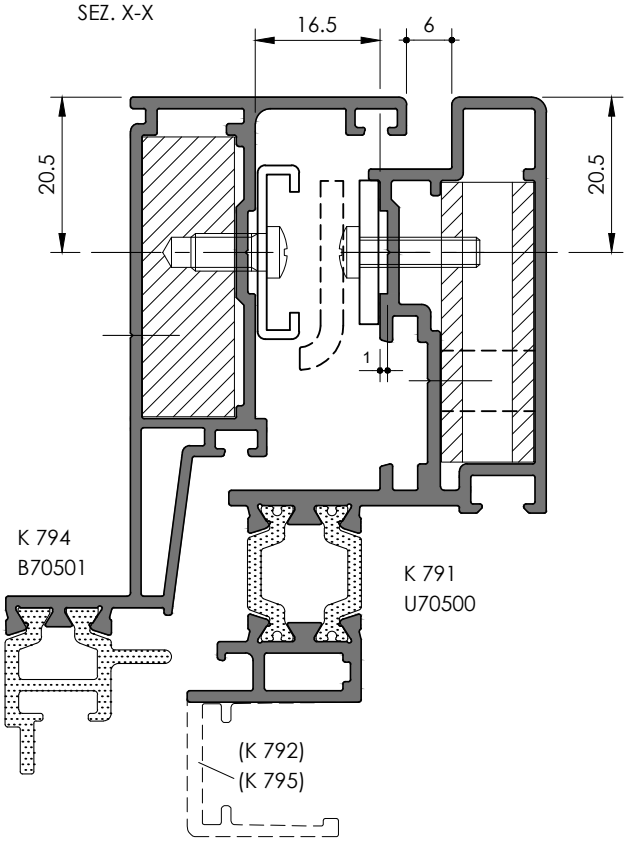


Sconsigliato per profili sporgere U70600 e U70601

Not raccomanded for U70600 and U70601 top-hung sections



SEZ. X-X



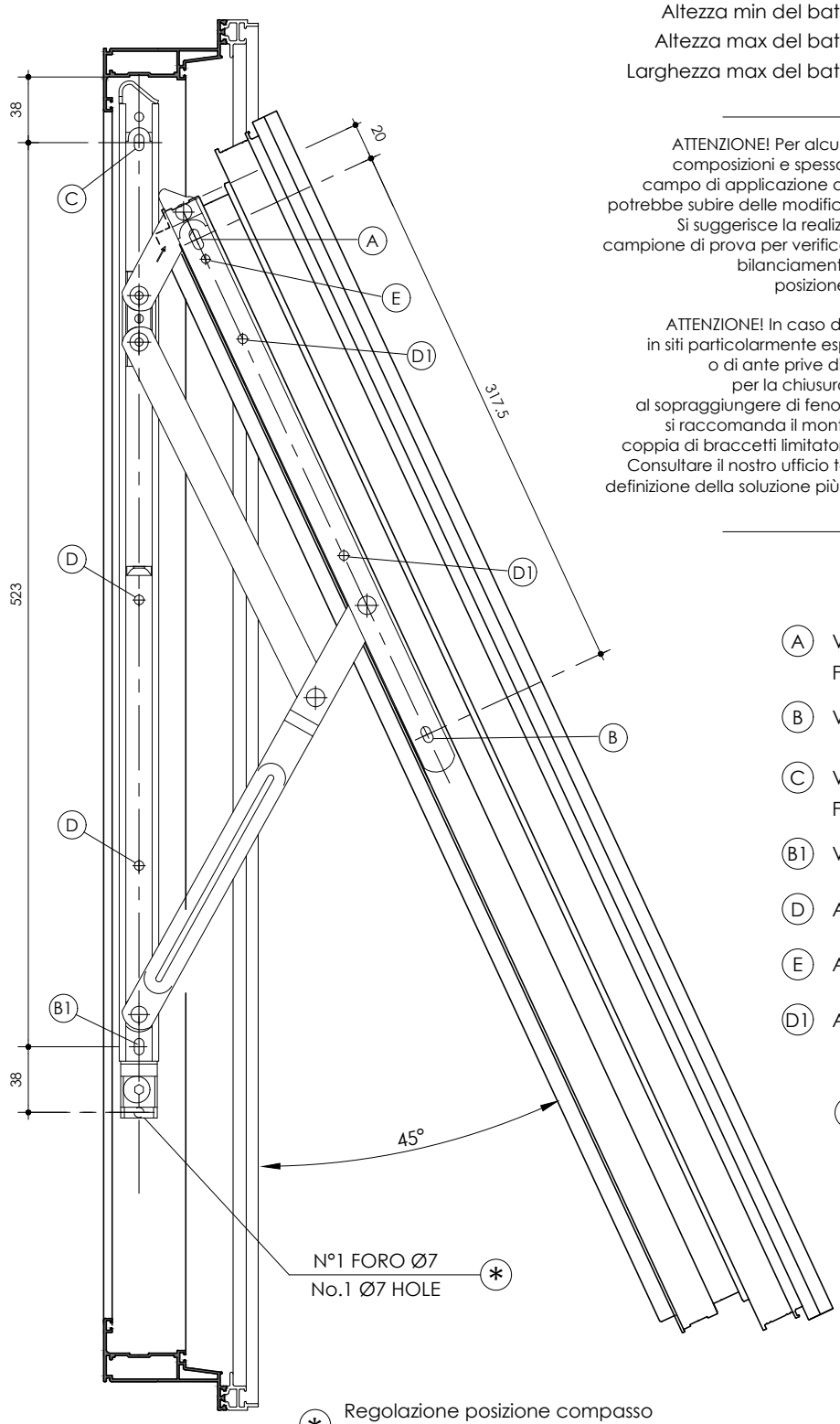
PER IL MONTAGGIO DELLE VITI M5 AUTOMASCHIANTI "A" e "C"
FORARE PROFILO E SQUADRETTA Ø 4.5 mm

FOR THE ASSEMBLING OF SELF-TAPPING "A" AND "C" SCREW M5
MAKE A HOLE 4.5 mm ON THE PROFILE AND CORNER JOINT

SCHEMA DI MONTAGGIO COMPASSI 704162 PER FINESTRA A SPORGERE
704162 SIDE ARM ASSEMBLING DIAGRAM FOR PROJECTING WINDOW

DA UTILIZZARE CON KIT FISSAGGIO 704159 - *TO BE USED WITH 704159 FASTENING KIT*

Angolo di apertura	**45°**	Opening angle
Peso max del battente	**100 Kg**	Wing max weight
Altezza min del battente	**1100 mm**	Wing min height
Altezza max del battente	**1500 mm**	Wing max height
Larghezza max del battente	**2000 mm**	Wing max width



(*) Regolazione posizione compasso
Side arm position adjusting device

ATTENZIONE! Per alcune particolari composizioni e spessori del vetro, il campo di applicazione del compasso potrebbe subire delle modifiche in altezza. Si suggerisce la realizzazione di un campione di prova per verificare il corretto bilanciamento dell'anta in posizione di apertura.

WARNING! For some particular glass compositions and thicknesses, the application range of the arms may undergo changes in height.

We suggest the realization of a test sample to verify the correct balancing of the sash.

ATTENZIONE! In caso di installazione in siti particolarmente esposti al vento o di ante prive di automatismi per la chiusura motorizzata al sopraggiungere di fenomeni ventosi, si raccomanda il montaggio di una coppia di braccetti limitatori di apertura. Consultare il nostro ufficio tecnico per la definizione della soluzione più appropriata.

WARNING! In the case of installation in sites particularly exposed to the wind or in case of sashes without automatic controls for the motorized closing when a wind event is coming, it is recommended to install a pair of stay open restrictors. Please contact our technical department for the definition of the best solution in this situation.

SEQUENZA DI FISSAGGIO VITI
SCREWS FIXING SEQUENCE

(A) Vite Automaschiante TC M5x15 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

(B) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(C) Vite Automaschiante TC M5x10 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

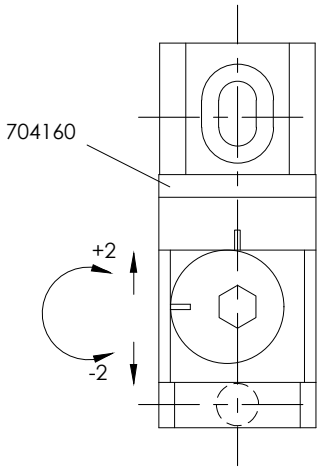
(B1) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(D) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

(E) Autof. 4.8x9.5 TC UNI EN ISO 7049 (§)

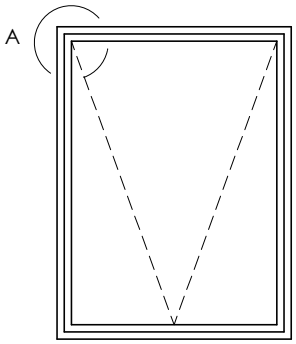
(D1) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

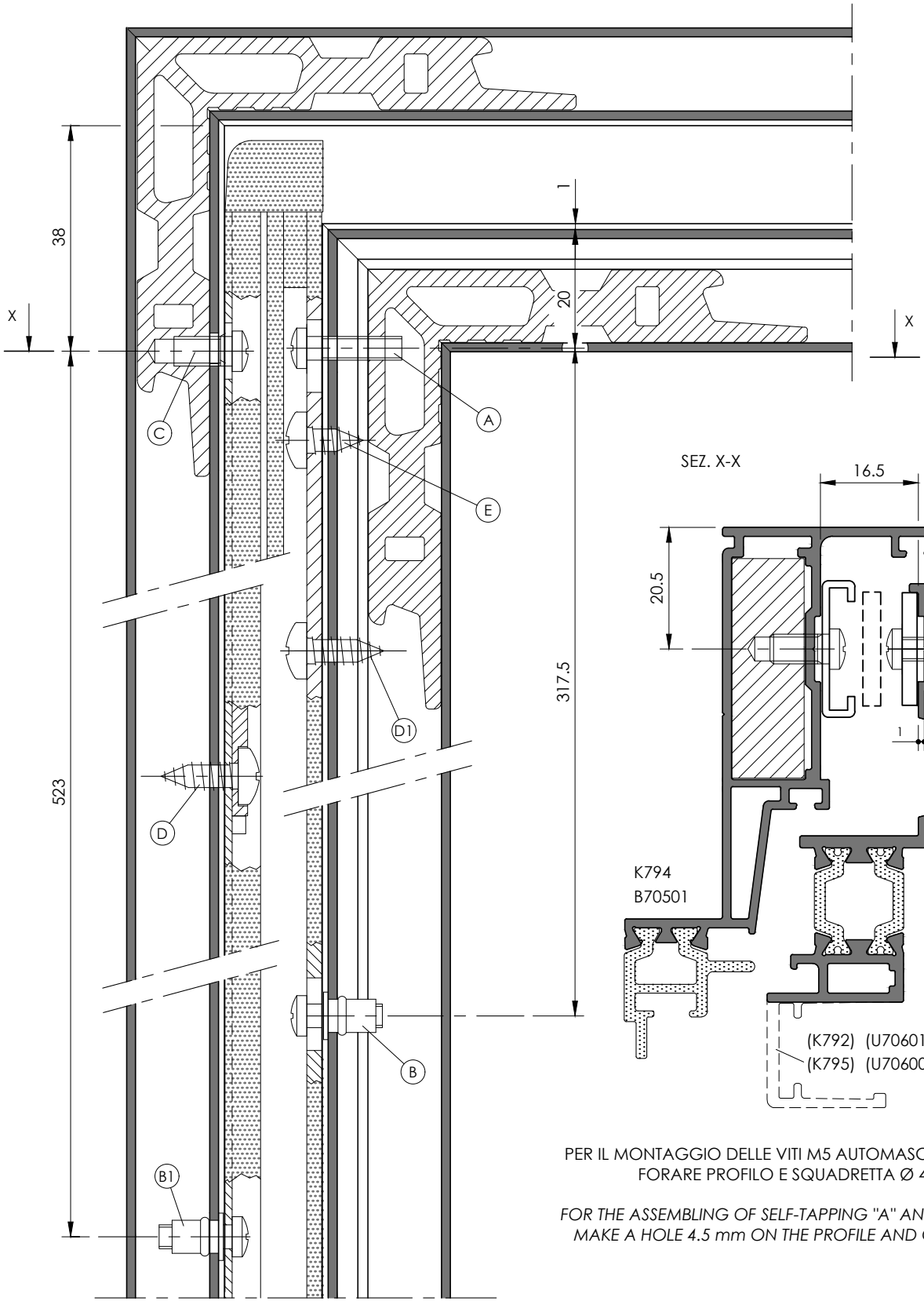
(§) Forare Ø4. Queste viti andranno montate una volta fissate le viti A,B e C
Drill Ø4. Assemble this screws after the A.B and C screws assembling

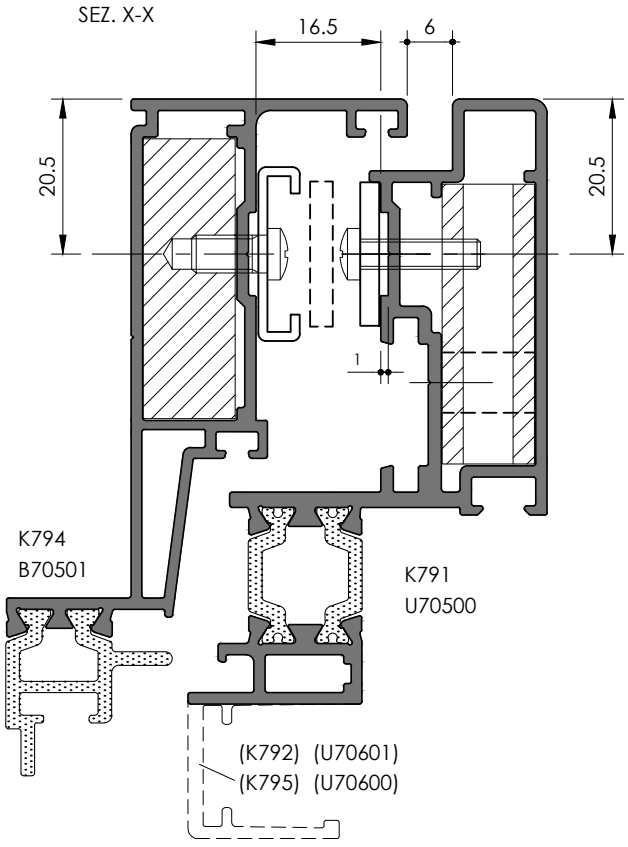


APPLICARE LE VITI AUTOFIL. "D" ed "E" CONTROFORANDO IL PROFILO ATTRAVERSO IL COMPASSO A REGOLAZIONE ULTIMATA
APPLY "D"and "E" SELF-TAPPING SCREWS BY DRILLING SECTION THROUGTH SIDE ARM AFTER ADJUSTMENT

SCHEMA DI ASSEMBLAGGIO APERTURA A SPORGERE
CON COMPASSO 704162
PROJECTING WINDOW ASSEMBLING DIAGRAM WITH 704162 SIDE ARM





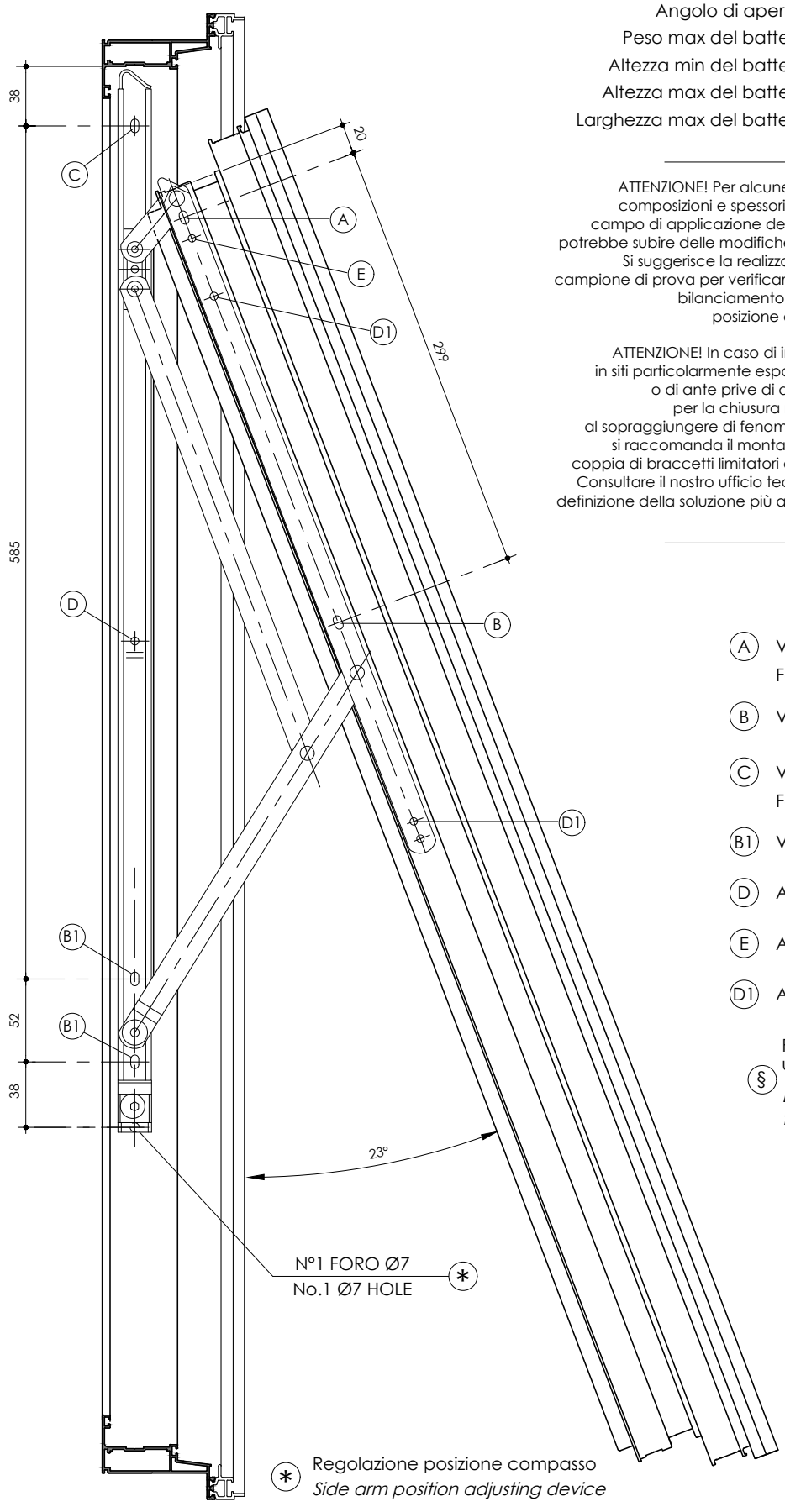


PER IL MONTAGGIO DELLE VITI M5 AUTOMASCHIANTI "A" e "C"
FORARE PROFILO E SQUADRETTA Ø 4.5 mm

FOR THE ASSEMBLING OF SELF-TAPPING "A" AND "C" SCREW M5
MAKE A HOLE 4.5 mm ON THE PROFILE AND CORNER JOINT

SCHEMA DI MONTAGGIO COMPASSI 704164 PER FINESTRA A SPORGERE
704164 SIDE ARM ASSEMBLING DIAGRAM FOR PROJECTING WINDOW

DA UTILIZZARE CON KIT FISSAGGIO 704159 - *TO BE USED WITH 704159 FASTENING KIT*



Angolo di apertura	**23°**	Opening angle
Peso max del battente	**90 Kg**	Wing max weight
Altezza min del battente	**1300 mm**	Wing min height
Altezza max del battente	**1800 mm**	Wing max height
Larghezza max del battente	**2000 mm**	Wing max width

ATTENZIONE! Per alcune particolari composizioni e spessori del vetro, il campo di applicazione del compasso potrebbe subire delle modifiche in altezza. Si suggerisce la realizzazione di un campione di prova per verificare il corretto bilanciamento dell'anta in posizione di apertura.

WARNING! For some particular glass compositions and thicknesses, the application range of the arms may undergo changes in height.

We suggest the realization of a test sample to verify the correct balancing of the sash.

ATTENZIONE! In caso di installazione in siti particolarmente esposti al vento o di ante prive di automatismi per la chiusura motorizzata al sopraggiungere di fenomeni ventosi, si raccomanda il montaggio di una coppia di braccetti limitatori di apertura. Consultare il nostro ufficio tecnico per la definizione della soluzione più appropriata.

WARNING! In the case of installation in sites particularly exposed to the wind or in case of sashes without automatic controls for the motorized closing when a wind event is coming, it is recommended to install a pair of stay open restrictors. Please contact our technical department for the definition of the best solution in this situation.

SEQUENZA DI FISSAGGIO VITI
SCREWS FIXING SEQUENCE

(A) Vite Automaschiante TC M5x15 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

(B) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(C) Vite Automaschiante TC M5x10 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

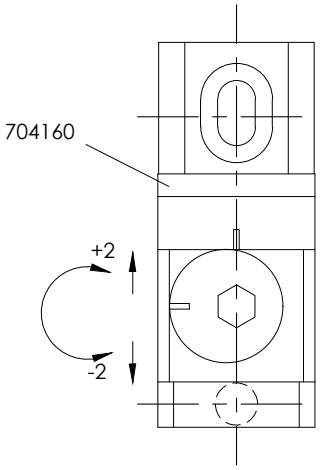
(B1) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(D) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

(E) Autof. 4.8x9.5 TC UNI EN ISO 7049 (§)

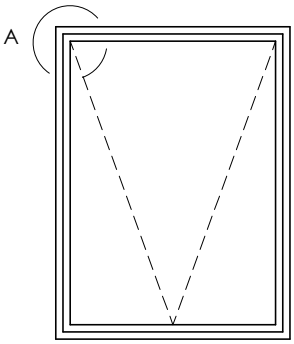
(D1) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

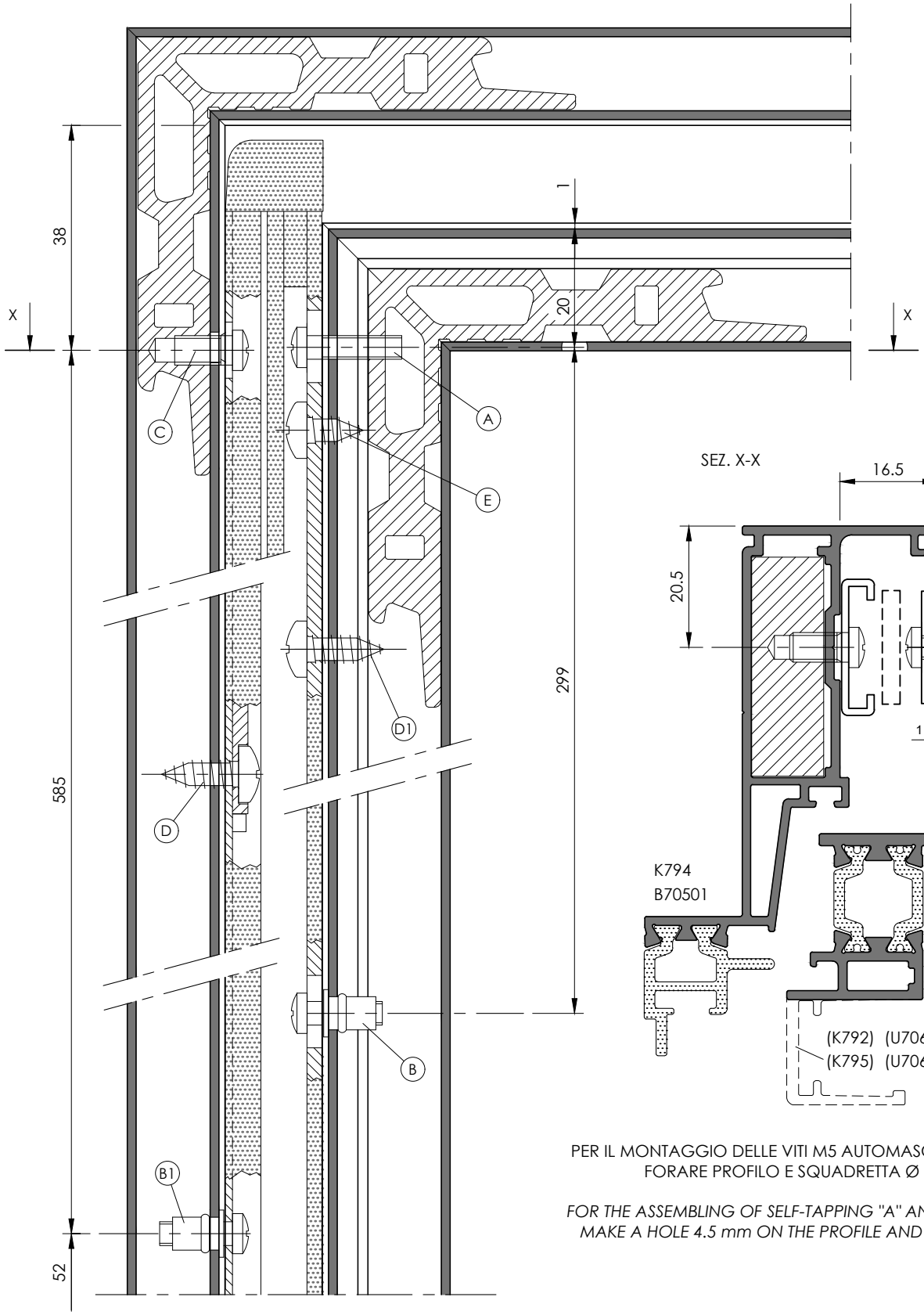
(§) Forare Ø4. Queste viti andranno montate una volta fissate le viti A,B e C
Drill Ø4. Assemble this screws after the A.B and C screws assembling



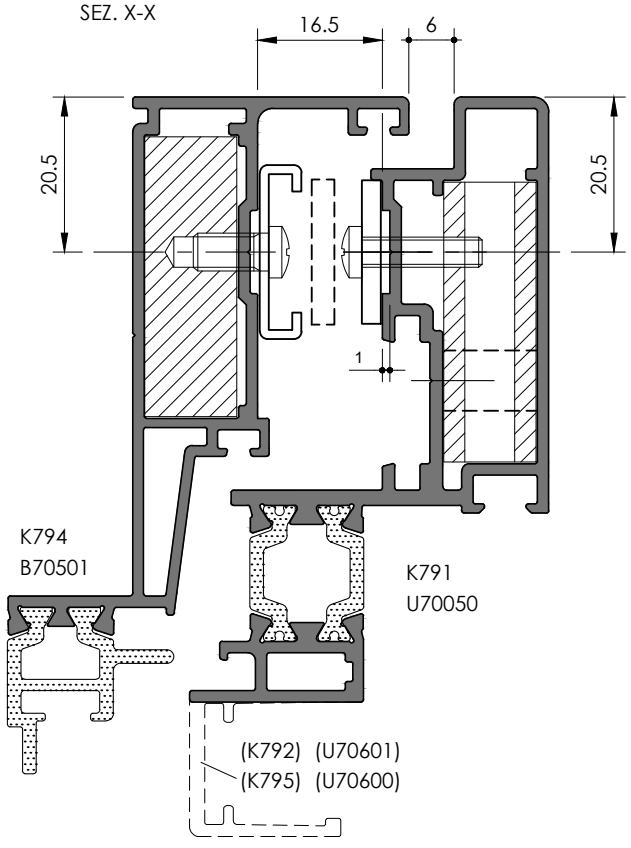
APPLICARE LE VITI AUTOFIL. "D" ed "E" CONTROFORANDO IL PROFILO ATTRAVERSO IL COMPASSO A REGOLAZIONE ULTIMATA
APPLY "D"and "E" SELF-TAPPING SCREWS BY DRILLING SECTION THROUGTH SIDE ARM AFTER ADJUSTMENT

SCHEMA DI ASSEMBLAGGIO APERTURA A SPORGERE
CON COMPASSO 704164
PROJECTING WINDOW ASSEMBLING DIAGRAM WITH 704164 SIDE ARM





SEZ. X-X

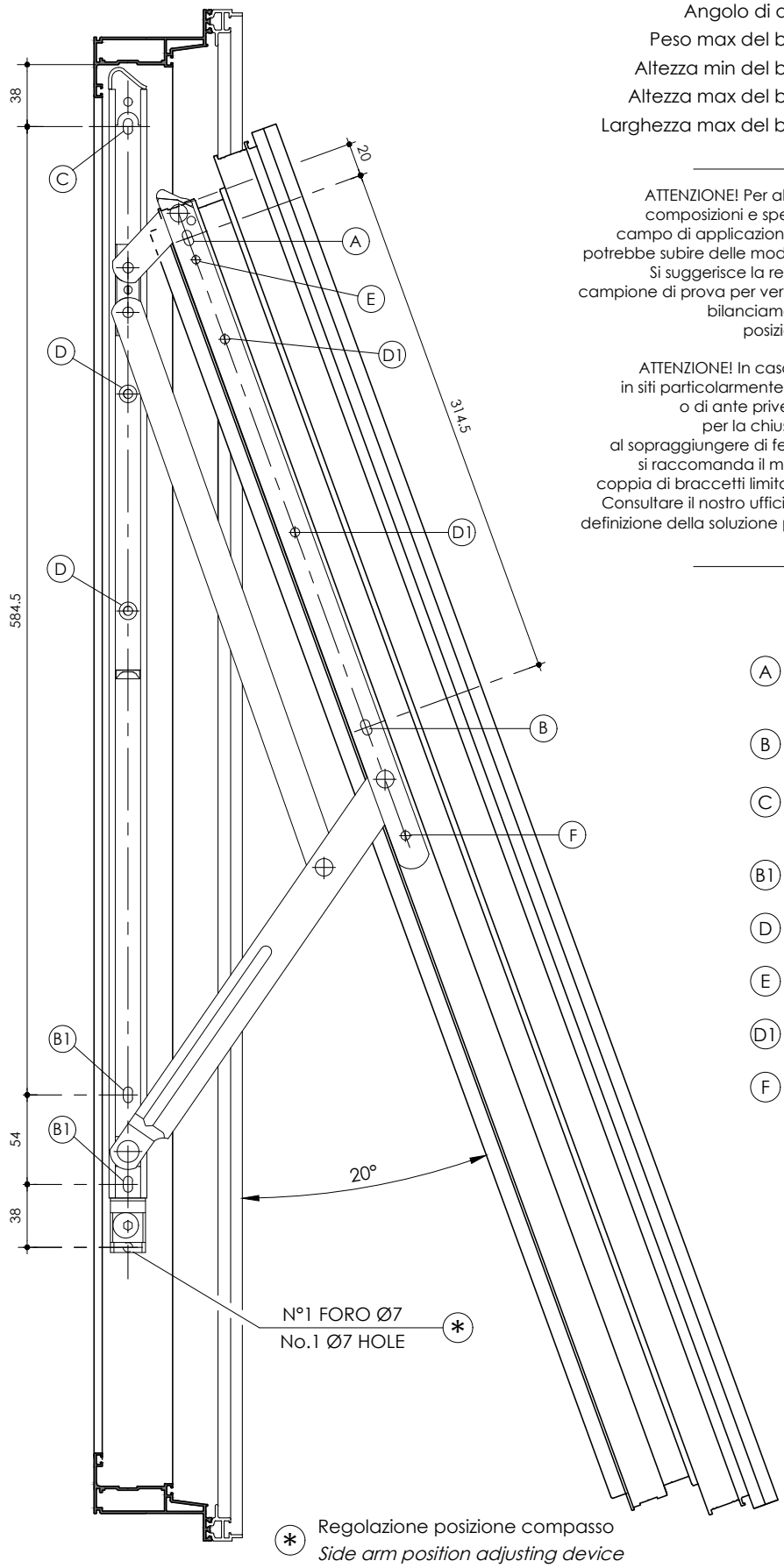


PER IL MONTAGGIO DELLE VITI M5 AUTOMASCHIANTI "A" e "C"
FORARE PROFILO E SQUADRETTA Ø 4.5 mm

FOR THE ASSEMBLING OF SELF-TAPPING "A" AND "C" SCREW M5
MAKE A HOLE 4.5 mm ON THE PROFILE AND CORNER JOINT

SCHEMA DI MONTAGGIO COMPASSI 704165 PER FINESTRA A SPORGERE
704165 SIDE ARM ASSEMBLING DIAGRAM FOR PROJECTING WINDOW

DA UTILIZZARE CON KIT FISSAGGIO 704159 - *TO BE USED WITH 704159 FASTENING KIT*



Angolo di apertura	**20°**	Opening angle
Peso max del battente	**180 Kg**	Wing max weight
Altezza min del battente	**1750 mm**	Wing min height
Altezza max del battente	**2500 mm**	Wing max height
Larghezza max del battente	**1750 mm**	Wing max width

ATTENZIONE! Per alcune particolari composizioni e spessori del vetro, il campo di applicazione del compasso potrebbe subire delle modifiche in altezza. Si suggerisce la realizzazione di un campione di prova per verificare il corretto bilanciamento dell'anta in posizione di apertura.

WARNING! For some particular glass compositions and thicknesses, the application range of the arms may undergo changes in height.

We suggest the realization of a test sample to verify the correct balancing of the sash.

ATTENZIONE! In caso di installazione in siti particolarmente esposti al vento o di ante prive di automatismi per la chiusura motorizzata al sopraggiungere di fenomeni ventosi, si raccomanda il montaggio di una coppia di braccetti limitatori di apertura. Consultare il nostro ufficio tecnico per la definizione della soluzione più appropriata.

WARNING! In the case of installation in sites particularly exposed to the wind or in case of sashes without automatic controls for the motorized closing when a wind event is coming, it is recommended to install a pair of stay open restrictors. Please contact our technical department for the definition of the best solution in this situation.

SEQUENZA DI FISSAGGIO VITI
SCREWS FIXING SEQUENCE

(A) Vite Automaschiante TC M5x15 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

(B) Vite TC M5x12 UNI 7687 + Inserto fil. M5

(C) Vite Automaschiante TC M5x10 UNI 8112
Forare Ø4.5 - *Drill Ø4.5*

(B1) Vite TC M5x12 UNI 7687 + Inserto fil. M5

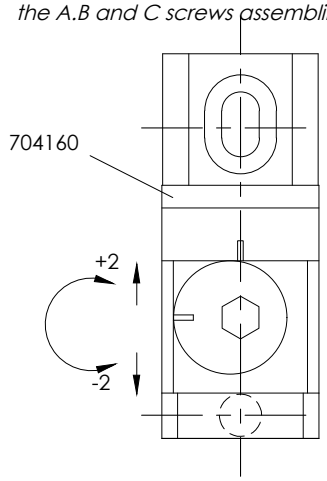
(D) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

(E) Autof. 4.8x9.5 TC UNI EN ISO 7049 (§)

(D1) Autof. 4.8x13 TC UNI EN ISO 7049 (§)

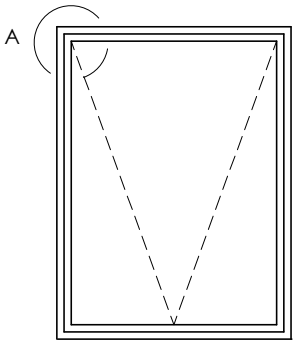
(F) Autof. 4.8x13 TSP UNI EN ISO 7050 (§)

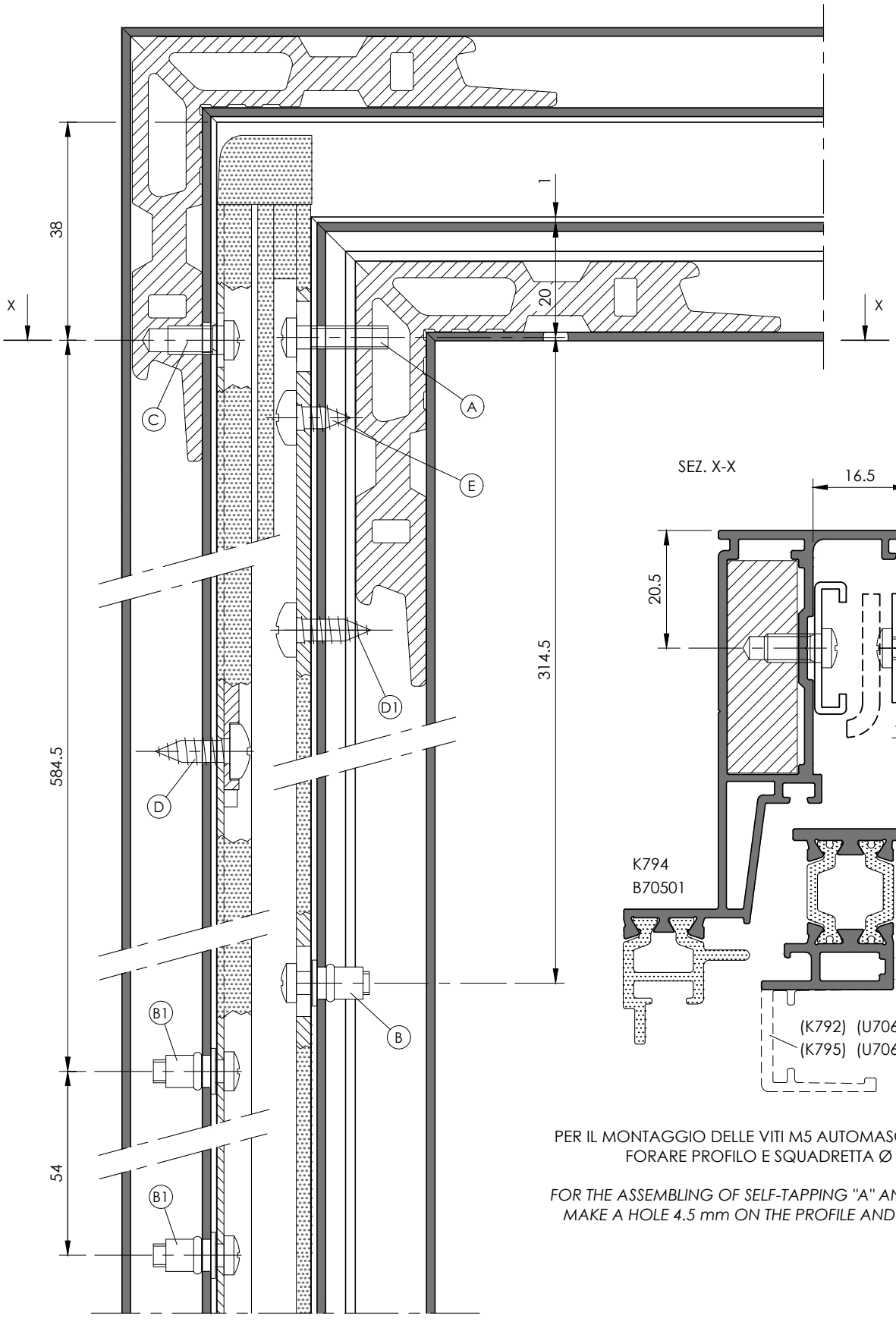
(§) Forare Ø4. Queste viti andranno montate una volta fissate le viti A,B e C
Drill Ø4. Assemble this screws after the A.B and C screws assembling

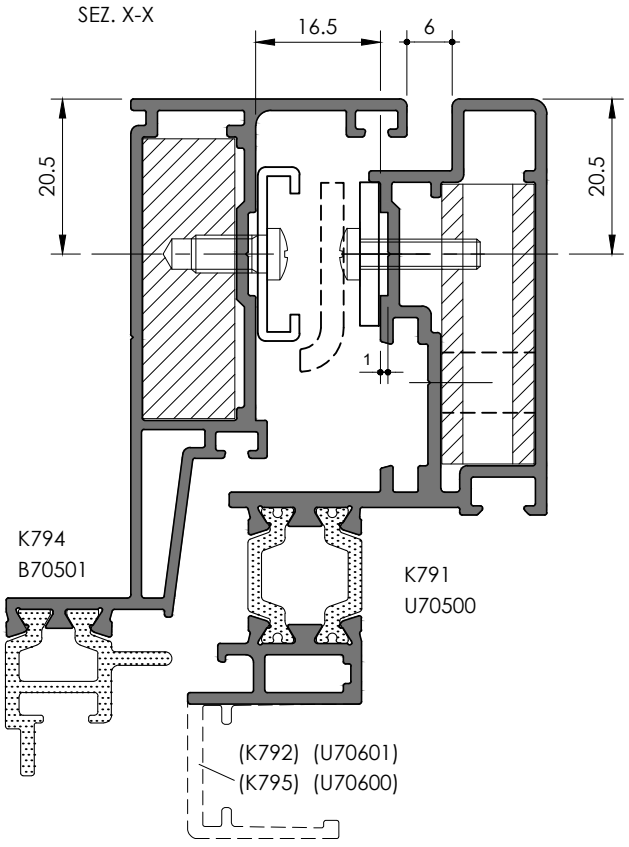


APPLICARE LE VITI AUTOFIL. "D","E" ed "F" CONTROFORANDO IL PROFILO ATTRAVERSO IL COMPASSO A REGOLAZIONE ULTIMATA
APPLY "D", "E" and "F" SELF-TAPPING SCREWS BY DRILLING SECTION THROUGTH SIDE ARM AFTER ADJUSTMENT

SCHEMA DI ASSEMBLAGGIO APERTURA A SPORGERE
CON COMPASSO 704165
PROJECTING WINDOW ASSEMBLING DIAGRAM
WITH 704165 SIDE ARM



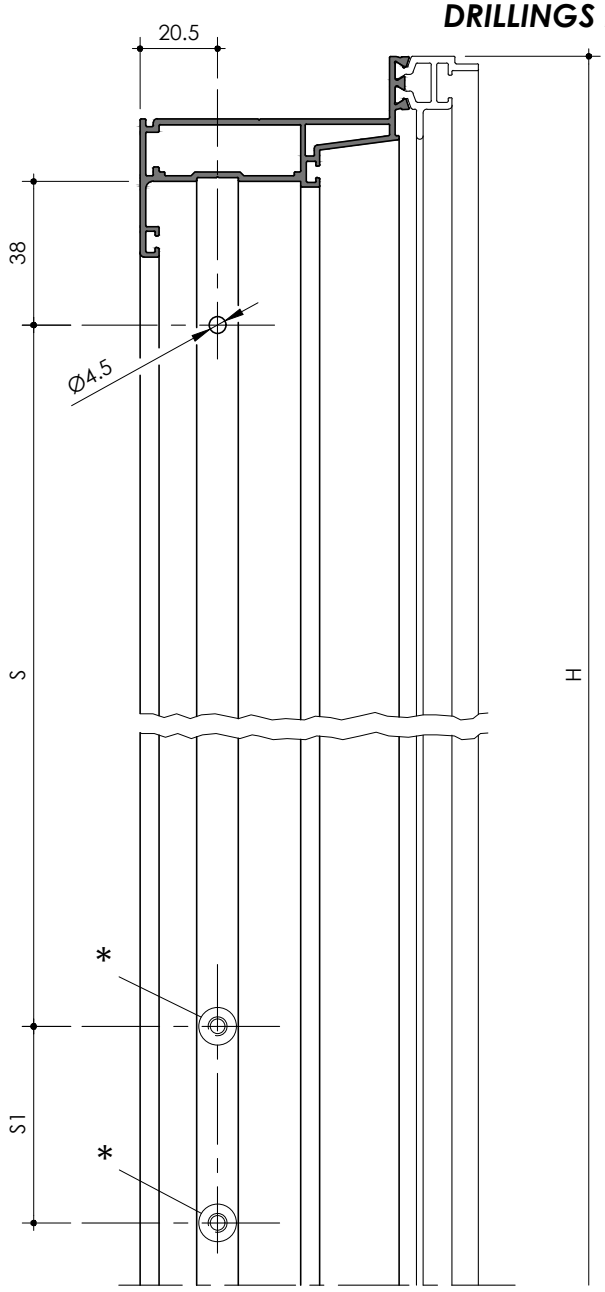




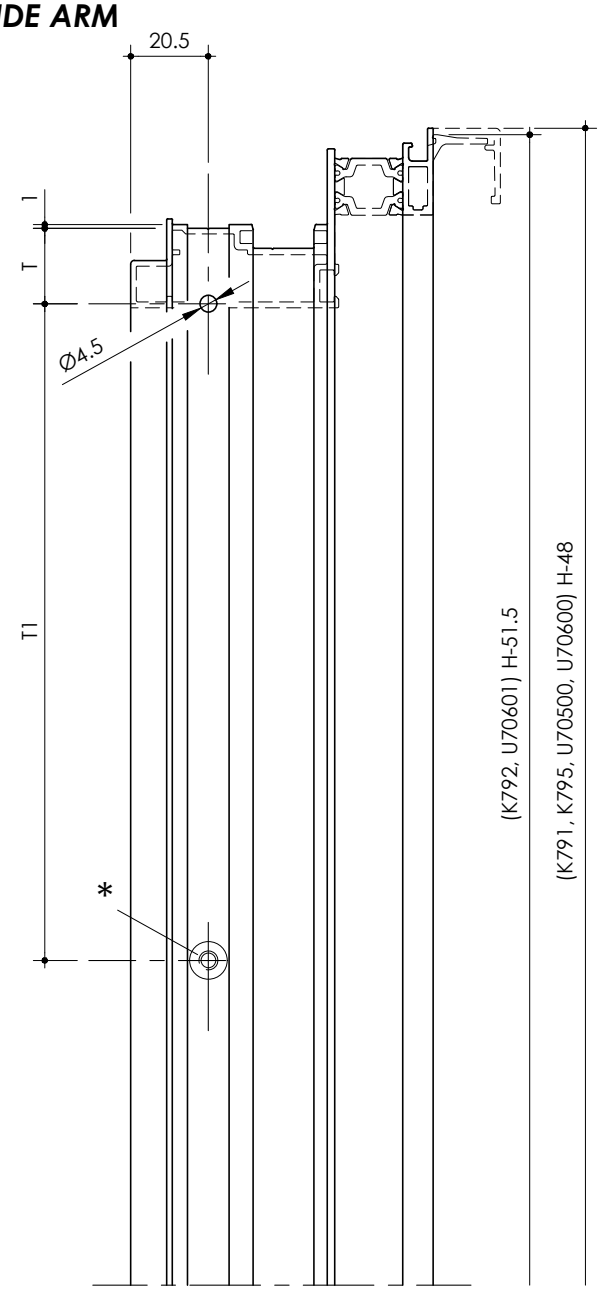
PER IL MONTAGGIO DELLE VITI M5 AUTOMASCHIANTI "A" e "C"
FORARE PROFILO E SQUADRETTA Ø 4.5 mm

FOR THE ASSEMBLING OF SELF-TAPPING "A" AND "C" SCREW M5
MAKE A HOLE 4.5 mm ON THE PROFILE AND CORNER JOINT

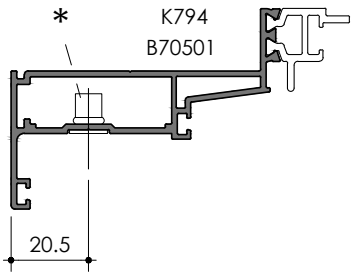
FORATURA PER MONTAGGIO COMPASSI
DRILLINGS FOR SIDE ARM

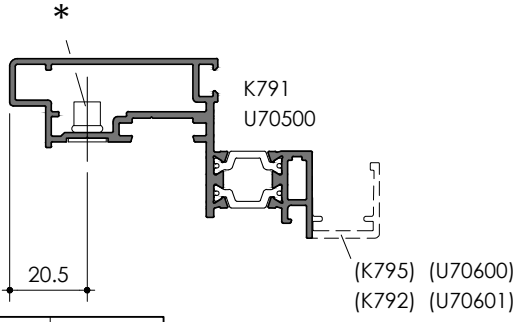


MONTANTE STIPITE
FRAME MULLION SECTION



MONTANTE BATTENTE
WING MULLION SECTION



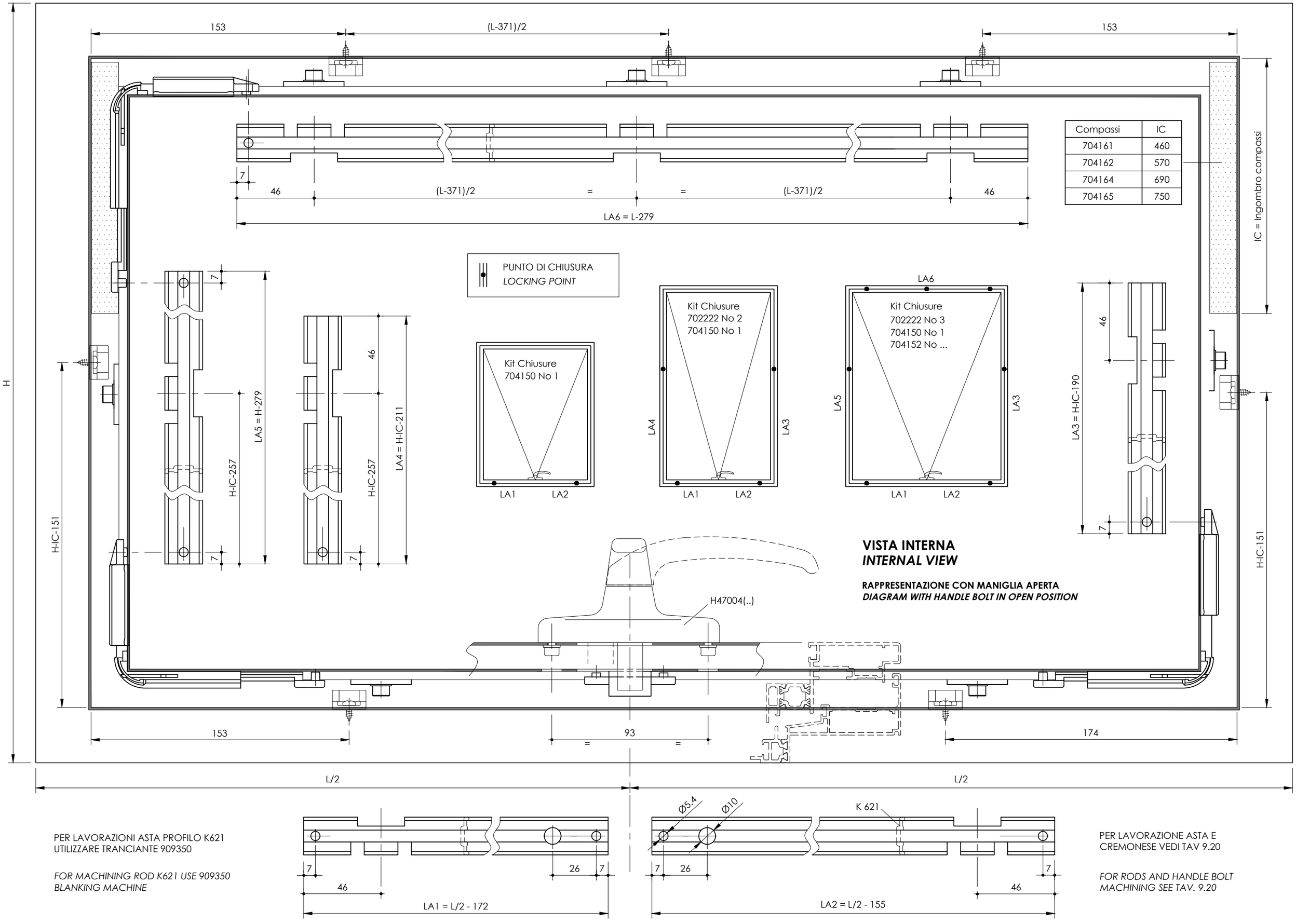


COMPASSO	S =	S1 =	T =	T1 =
704161	370.5	-	20	118.5
704162	523	-	20	317.5
704164	585	-	20	299
704165	584.5	54	20	314.5

* INSERTI FILETTATI TC M5x13 (FORARE Ø7.2)
THREADED INSERT WITH CYLINDRICAL HEAD M5x13 (PERFORATE Ø7.2)

SCHEMA DI MONTAGGIO CHIUSURE INFISSO A SPORGERE - *PROJECTING WINDOW LOCKING DEVICE ASSEMBLING DIAGRAM*

ALUK | SL60 | 9.19
GENNAIO 2021



Compassi	IC
704161	460
704162	570
704164	690
704165	750

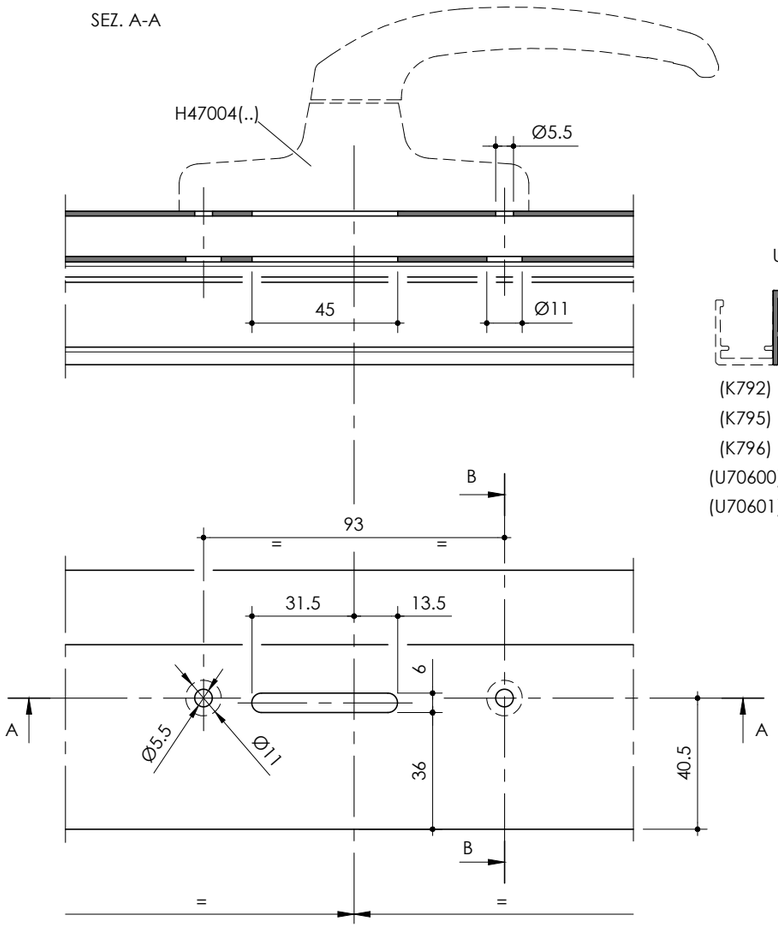
PER LAVORAZIONI ASTA PROFILO K621
UTILIZZARE TRANCIANTE 909350

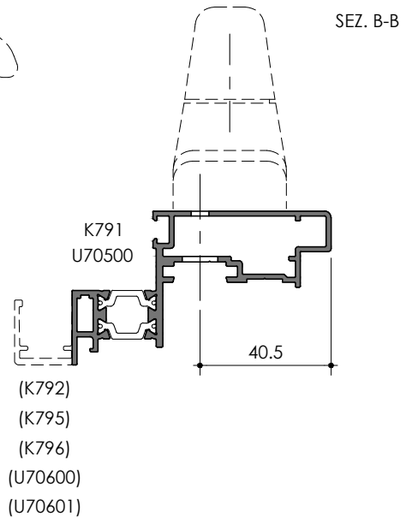
FOR MACHINING ROD K621 USE 909350
BLANKING MACHINE

PER LAVORAZIONE ASTA E
CREMONESE VEDI TAV 9.20

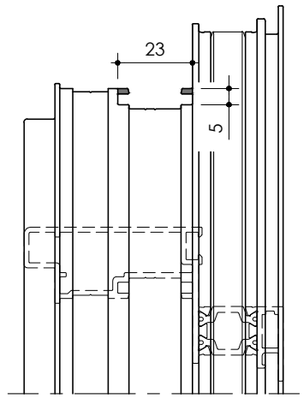
FOR RODS AND HANDLE BOLT
MACHINING SEE TAV. 9.20

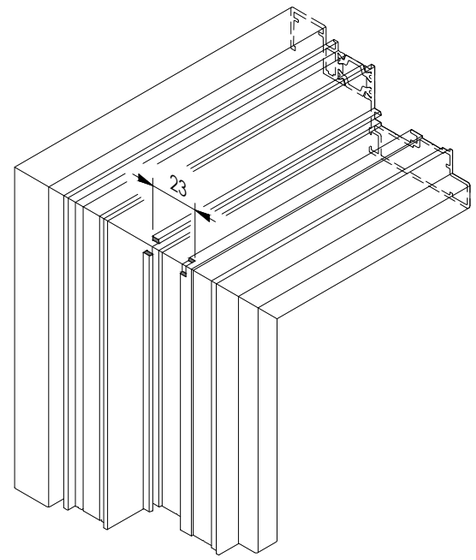
SCHEMA DI MONTAGGIO CREMONESE PER APERTURA A SPORGERE
PROJECTING WINDOW HANDLE ASSEMBLING DIAGRAM





LAVORAZIONE ALETTE DI ESTREMITA' CAVA ACCESSORI
TIPS CUTTING OUT FOR ROD INSERTION AND ACCESSORIES ASSEMBLING



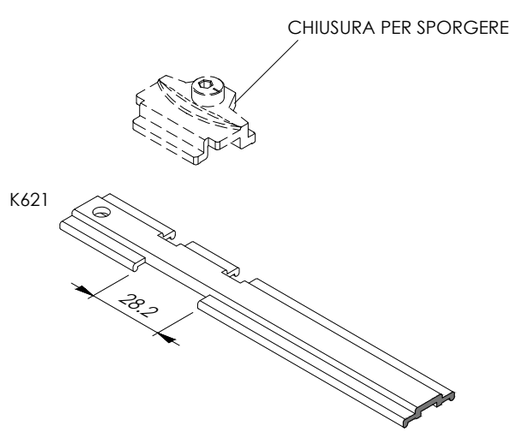


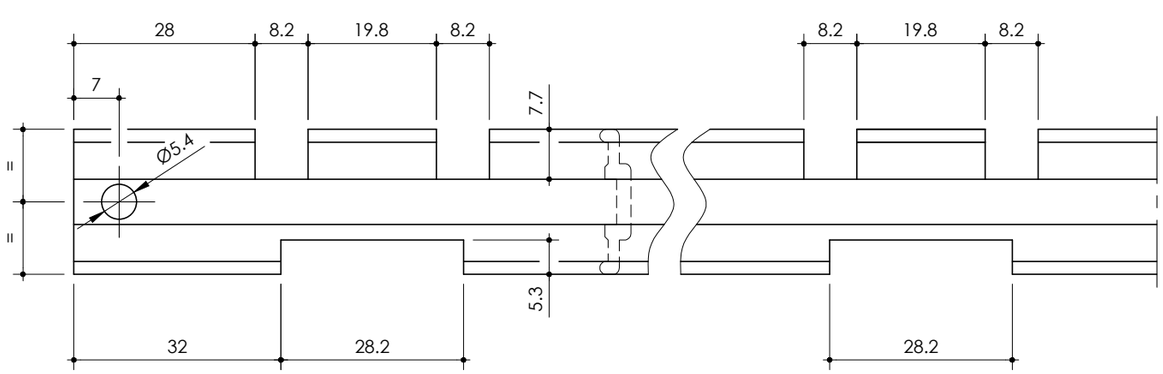
QUESTA LAVORAZIONE PUO' ESSERE ESEGUITA SUI PROFILI
K791, K792, K795, K796, U70500, U70600, U70601

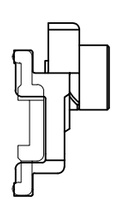
THE CUTTING OUT OF TIPS CAN BE EXECUTED ON K 791, K 792, K 795, K 796, U70500, U70600, U70601 SECTIONS

PER ESEGUIRE QUESTE LAVORAZIONI UTILIZZARE TRANCIANTE 909350
TO EXECUTE THESE DRILLINGS USE 909350 BLANKING MACHINE

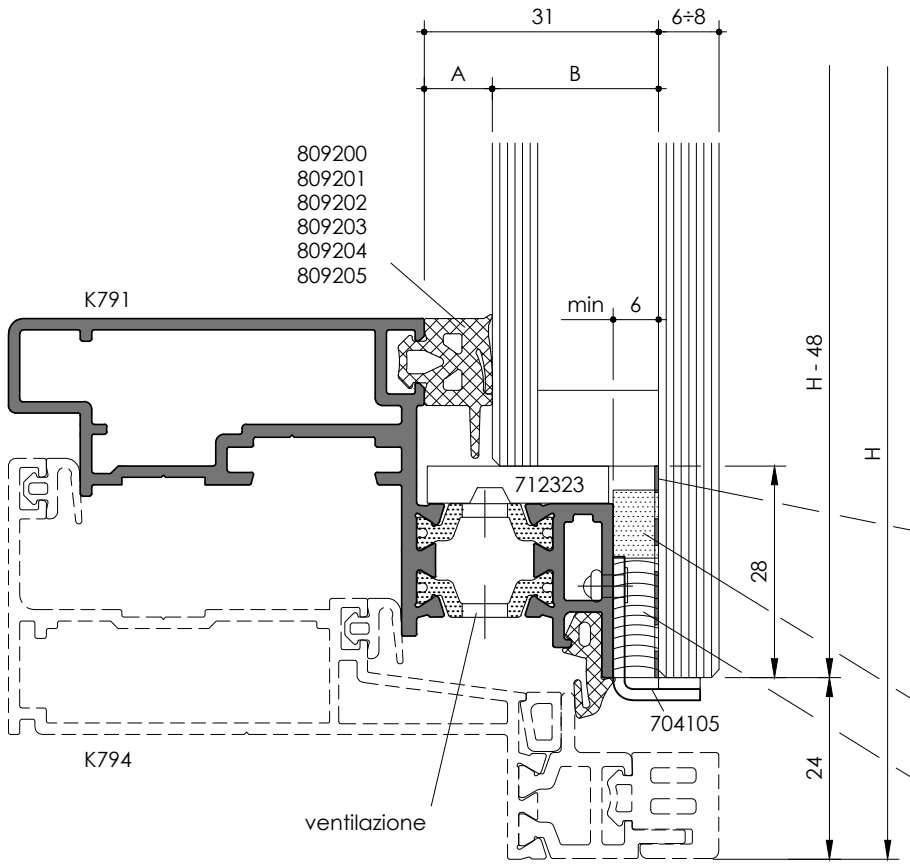
LAVORAZIONE ASTA DI COMANDO
RODS DRILLING







VETRAZIONE SPORGERE K791
K791 PROJECTING WINDOW GLAZING



A	B	Guarnizione *Gasket*
3	28	809201
5	26	809203
7	24	809205
9	22	809200
11	20	809202
13	18	809204

La parte esterna del profilo K 791 viene sempre fornita con ossidazione anodica elettrocolore "111004", mentre la parte interna in vista può essere trattata e colorata secondo richiesta del committente.
La lastra esterna del vetrocamera dovrà essere riflettente, temprata e con i bordi molati; il relativo spessore dovrà essere di 6÷8 mm secondo esigenze statiche, in modo da garantire la massima sicurezza e prevenire rotture causate da shock termico.
Il vetrocamera dovrà essere composto con canalino distanziatore di colore nero e con sigillatura perimetrale resistente ai raggi UV.
Lo spessore della sigillatura strutturale dovrà essere conforme a quanto calcolato dal produttore del sigillante e comunque non inferiore a 6.5 mm. Il relativo distanziatore (fondo di giunto) dovrà essere sempre di tipo approvato e di dimensioni adeguate per garantire la corretta dimensione della sigillatura.

DIMENSIONI VETROCAMERA :

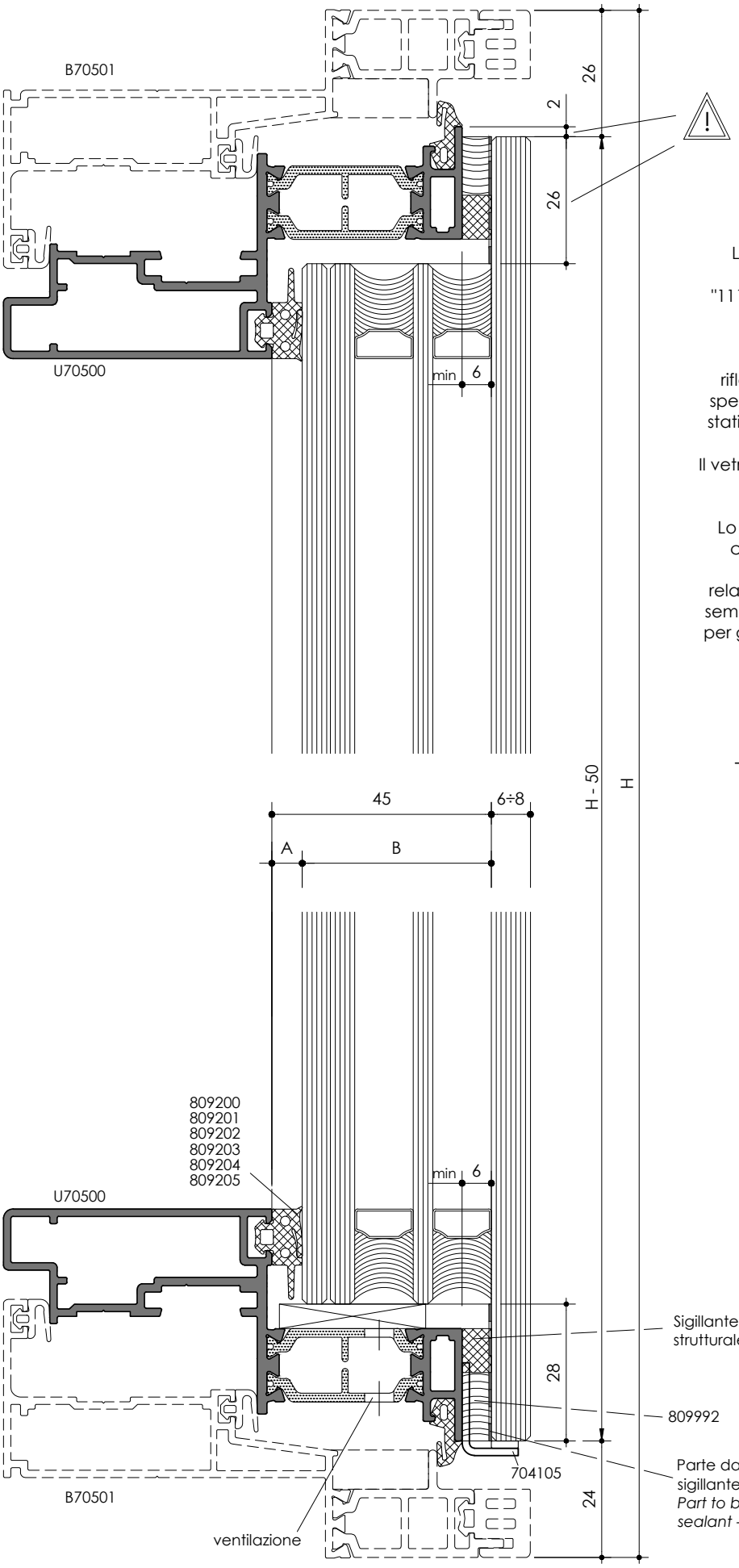
Lastra esterna : (L - 48) x (H - 48)
Lastra interna : (L - 104) x (H - 104)

The sealing section K 791 is always supplied with the external side dark electrolytically anodized oxidation "111004", while internal visible side can be treated and painted according to customer's requirements.
The external double glass plate must be reflecting, tempered and with ground edges. Thickness shall be 6÷8 mm, according to static needing, in order to guarantee safety and prevent thermal shock breaking.
The double glass shall have a small U-shaped spacer, black coloured, and with peripheral sealing, UV rays proof.
The structural sealing shall be in accordance with sealer manufacturer instructions. However this sealing shall not be less than 6.5 mm thick. Relevant joint bottom shall be made of a suitable material previously approved by the sealer manufacturer himself and of suitable dimensions to guarantee the right dimension of the sealing itself.

I.G.U. DIMENSIONS FOR THE STANDARD FRAME:

External pane : (L - 48) x (H - 48)
Internal pane : (L - 104) x (H - 104)

VETRAZIONE SPORGERE U70500
U70500 PROJECTING WINDOW GLAZING



A	B	Guarnizione *Gasket*
3	42	809201
5	40	809203
7	38	809205
9	36	809200
11	34	809202
13	32	809204

La parte esterna del profilo U70500 viene sempre fornita con ossidazione anodica elettrocolore "111004", mentre la parte interna in vista può essere trattata e colorata secondo richiesta del committente.
La lastra esterna del vetrocamera dovrà essere riflettente, temprata e con i bordi molati; il relativo spessore dovrà essere di 6÷8 mm secondo esigenze statiche, in modo da garantire la massima sicurezza e prevenire rotture causate da shock termico.
Il vetrocamera dovrà essere composto con canalino distanziatore di colore nero e con sigillatura perimetrale resistente ai raggi UV.
Lo spessore della sigillatura strutturale dovrà essere conforme a quanto calcolato dal produttore del sigillante e comunque non inferiore a 6.5 mm. Il relativo distanziatore (fondo di giunto) dovrà essere sempre di tipo approvato e di dimensioni adeguate per garantire la corretta dimensione della sigillatura.

DIMENSIONI VETROCAMERA :

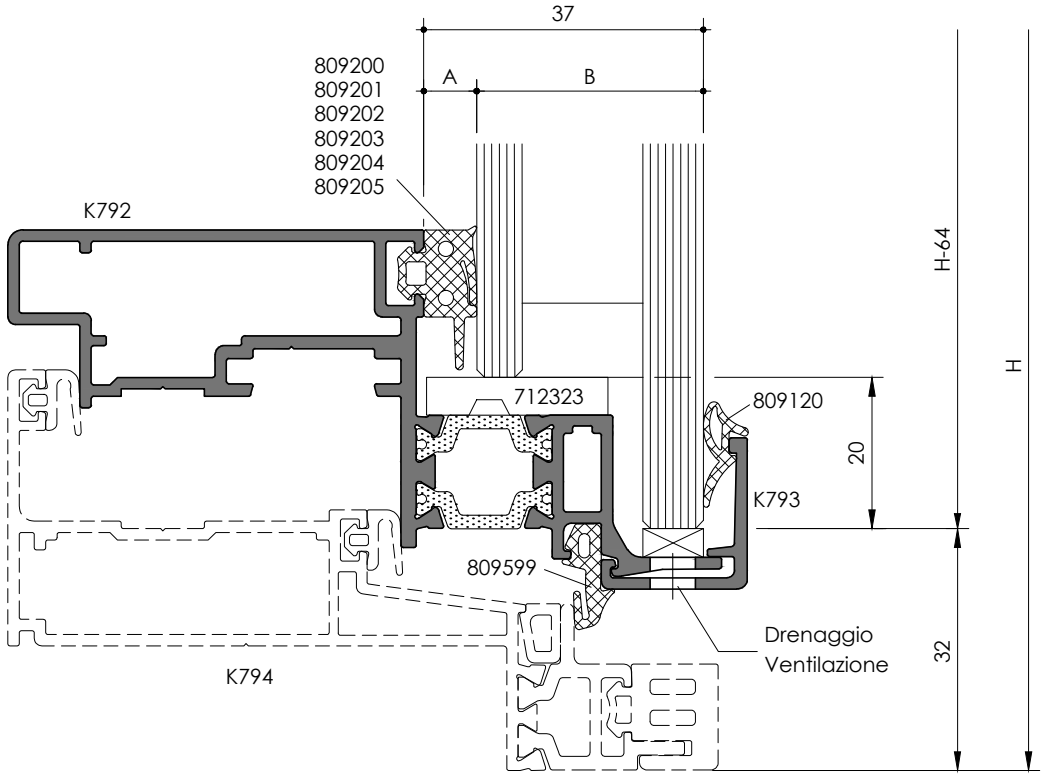
Lastra esterna : (L - 48) x (H - 50)
Lastra interna : (L - 104) x (H - 104)

The sealing section U70500 is always supplied with the external side dark electrolytically anodized oxidation "111004", while internal visible side can be treated and painted according to customer's requirements.
The external double glass plate must be reflecting, tempered and with ground edges. Thickness shall be 6÷8 mm, according to static needing, in order to guarantee safety and prevent thermal shock breaking.
The double glass shall have a small U-shaped spacer, black coloured, and with peripheral sealing, UV rays proof.
The structural sealing shall be in accordance with sealer manufacturer instructions. However this sealing shall not be less than 6.5 mm thick.
Relevant joint bottom shall be made of a suitable material previously approved by the sealer manufacturer himself and of suitable dimensions to guarantee the right dimension of the sealing itself.

I.G.U. DIMENSIONS FOR THE STANDARD FRAME:

External pane : (L - 48) x (H - 50)
Internal pane : (L - 104) x (H - 104)

VETRAZIONE SPORGERE K792- K795
K792 - K795 PROJECTING WINDOWS GLAZING



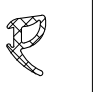
A	B	Guarnizione interna *Internal Gasket*
3	34	809201
5	32	809203
7	30	809205
9	28	809200
11	26	809202
13	24	809204

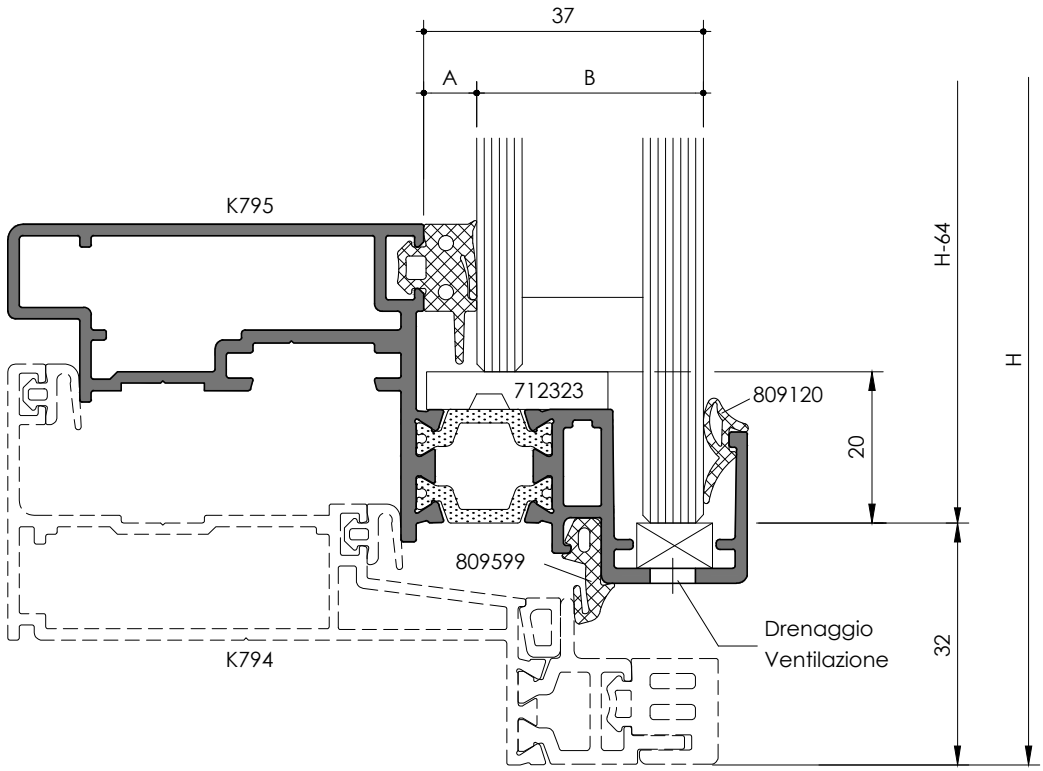
DIMENSIONI VETROCAMERA :

Lastra esterna : (L - 64) x (H - 64)
Lastra interna : (L - 104) x (H - 104)

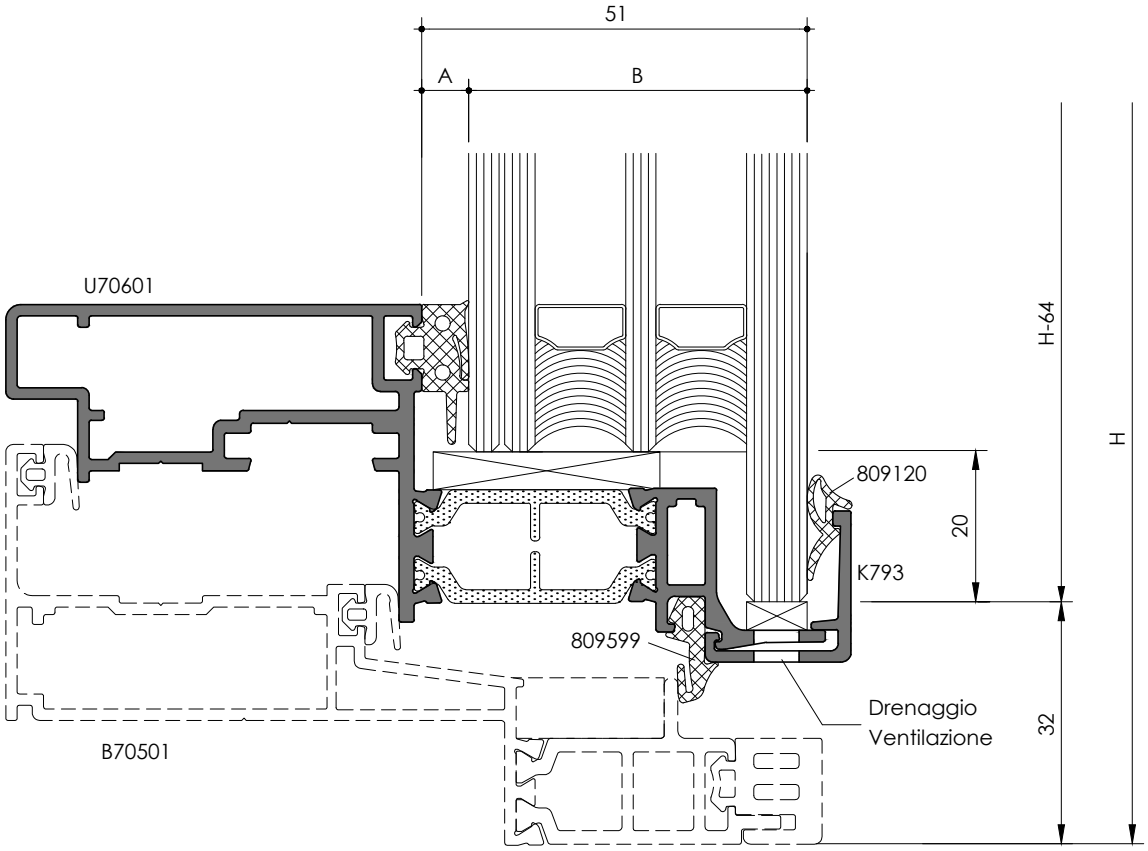
I.G.U. DIMENSIONS FOR THE STANDARD FRAME:

External pane : (L - 64) x (H - 64)
Internal pane : (L - 104) x (H - 104)

Guarnizione esterna *External Gasket*		
SPAZIO *SPACE*	2÷3	3÷4
		
	809119	809120



VETRAZIONE SPORGERE U70600 e U70601
U70600 and U70601 PROJECTING WINDOWS GLAZING



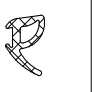
A	B	Guarnizione interna *Internal Gasket*
3	48	809201
5	46	809203
7	44	809205
9	42	809200
11	40	809202
13	38	809204

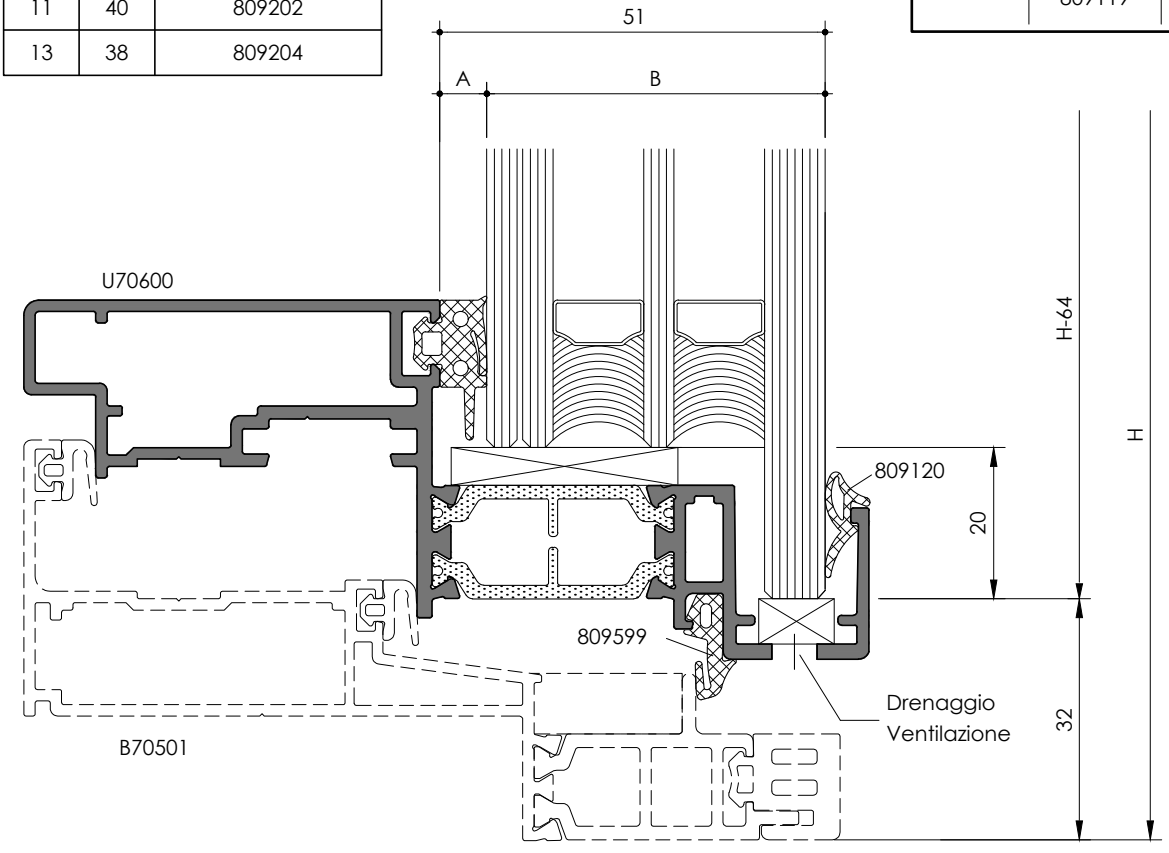
DIMENSIONI VETROCAMERA :

Lastra esterna : (L - 64) x (H - 64)
Lastra interna : (L - 104) x (H - 104)

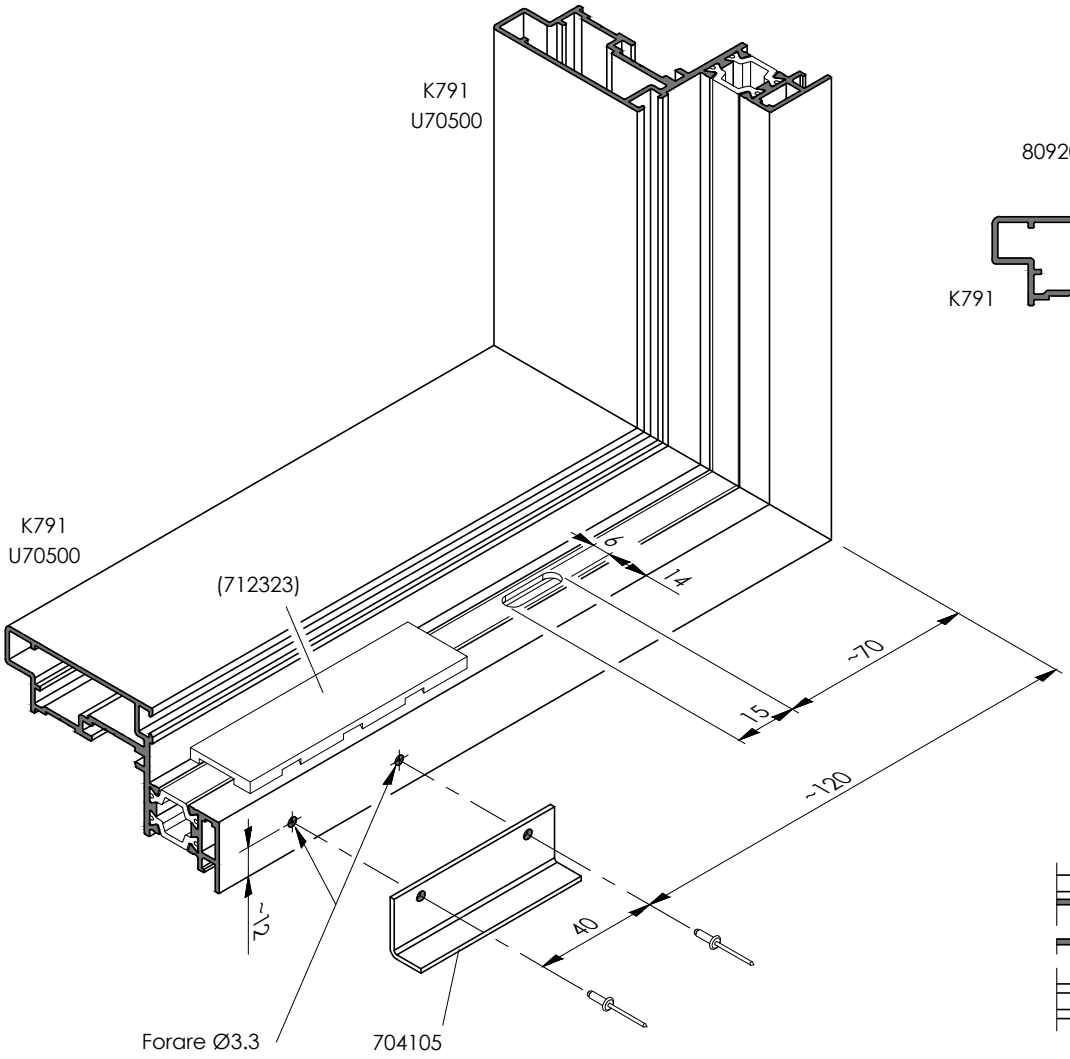
I.G.U. DIMENSIONS FOR THE STANDARD FRAME:

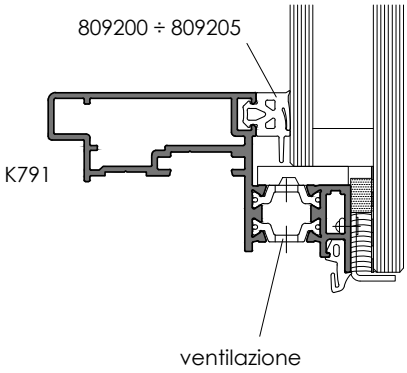
External pane : (L - 64) x (H - 64)
Internal pane : (L - 104) x (H - 104)

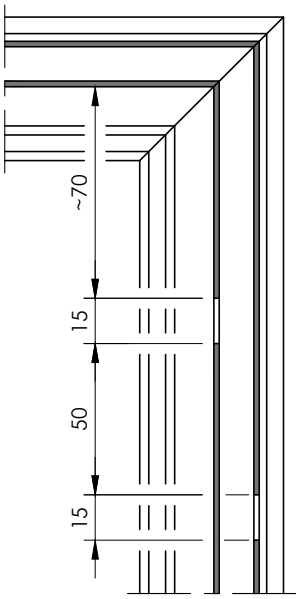
Guarnizione esterna *External Gasket*		
SPAZIO *SPACE*	2÷3	3÷4
	 809119	 809120



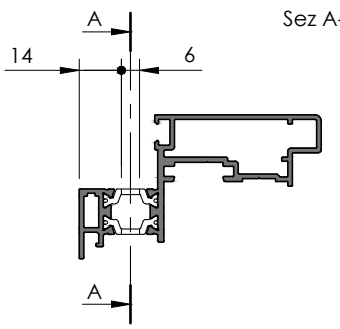
MONTAGGIO MENSOLA SUPPORTO VETRO E VENTILAZIONE
GLASS SUPPORT ASSEMBLING AND VENTILATION MACHINING



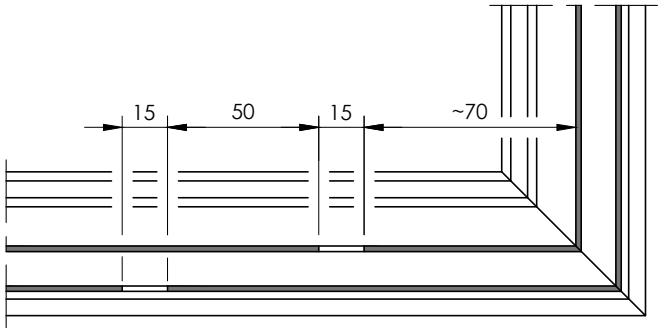




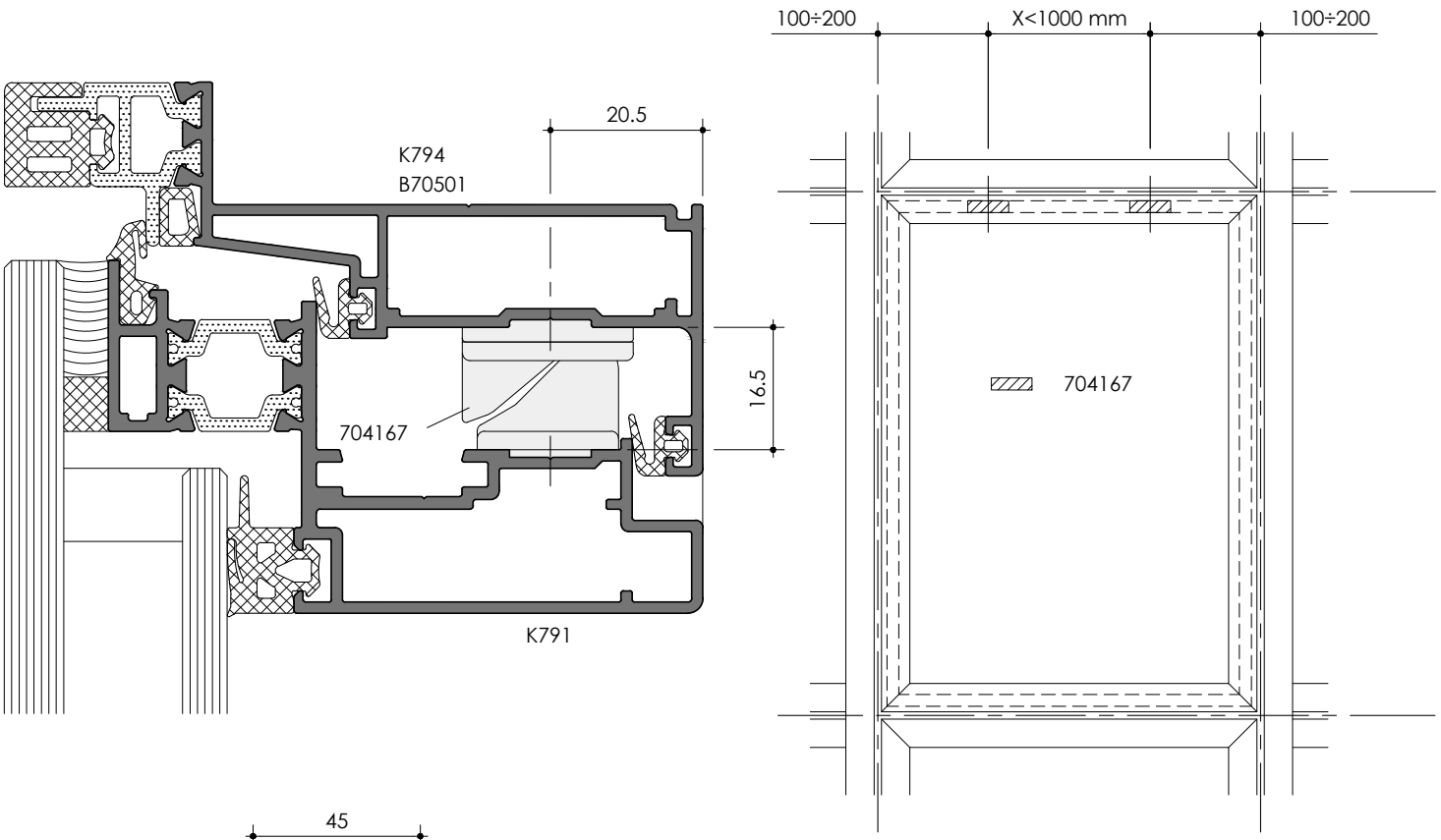
LAVORAZIONE PER LA VENTILAZIONE
VENTILATION MACHINING

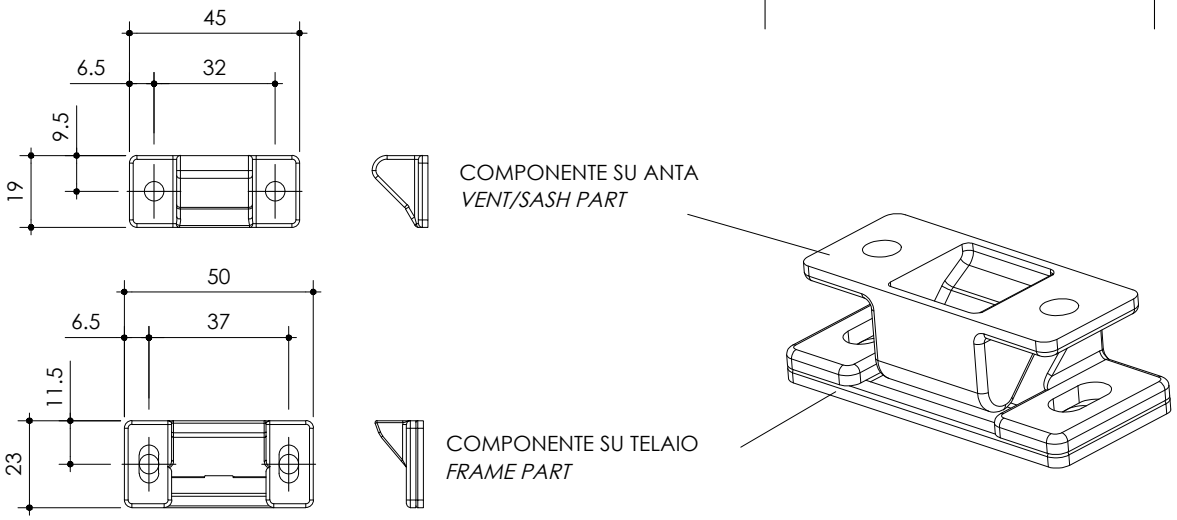


Sez A-A



MONTAGGIO ROSTRI 704167
704167 PULL-IN BLOCK ASSEMBLING



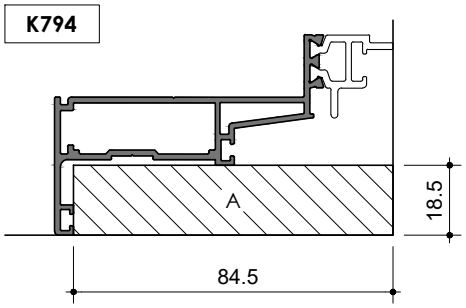


I ROSTRI 704167 VANNO POSIZIONATI SUL LATO SUPERIORE TRA 100 E 200 mm DA ENTRAMBI GLI ANGOLI E CON INTERASSE MASSIMO DI 1000 mm, PER INCREMENTARE LA TENUTA DELLO SPORGERE CON PRESSIONI NEGATIVE.
LA PARTE REGOLABILE E' POSIZIONATA SUL TELAIO, IL FISSAGGIO AVVIENE CON VITI ATTRAVERSO DELLE ASOLE. PER FACILITARE LA REGOLAZIONE DEL COMPONENTE, ALLENTARE LE VITI DI FISSAGGIO E UTILIZZARE LE DENTELLATURE PER TROVARE LA POSIZIONE CORRETTA. UNA VOLTA CHE E' STATO REGOLATO CORRETTAMENTE, STRINGERE LE VITI.
LA PARTE FISSA E' POSIZIONATA SULL'ANTA E FISSATA CON VITI ATTRAVERSO DEI FORI.

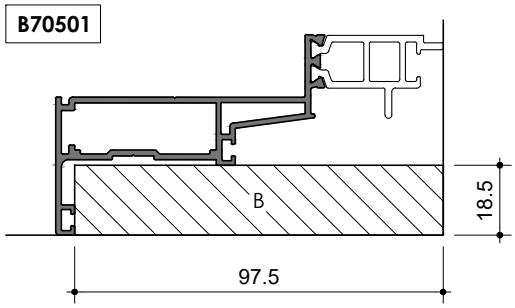
704167 PULL-IN BLOCKS, ARE TO BE FITTED AT THE HINGED EDGE OF THE WINDOW, POSITIONED AT 100mm TO 200mm FROM EACH CORNER AND THEN ACROSS AT 1000mm SPACING TO AID WEATHER SEALING.
THE ADJUSTABLE PART IS TO BE POSITIONED ON THE FRAME, AND THE FIXINGS ARE TO BE INSERTED THROUGH THE SLOTS. FIXING SCREWS ARE TO BE LOOSENED TO ALLOW EASE OF ADJUSTMENT, ONCE TO CORRECT ADJUSTMENT HAS BEEN DETERMINED, SCREWS CAN THEN BE TIGHTENED.
THE FIXED PART IS TO BE POSITIONED ON THE VENT/SASH, AND FIXINGS ARE TO BE INSERTED THROUGH THE HOLES AND TIGHTENED.

SPESSORI PER IL TAGLIO PROFILI
CUTTING SHIMS

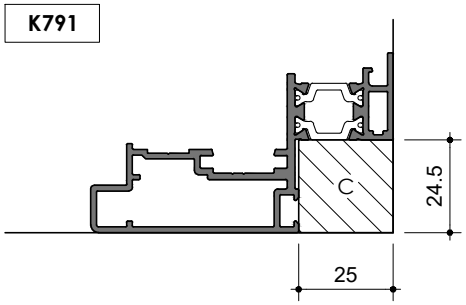
K794



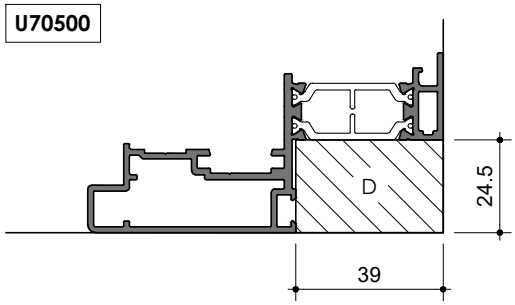
B70501



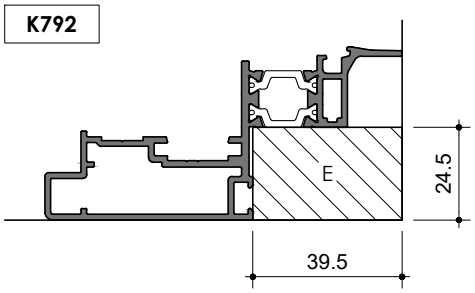
K791



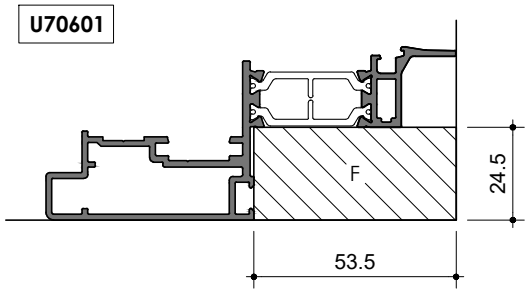
U70500



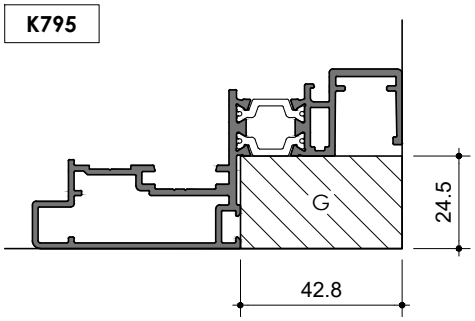
K792



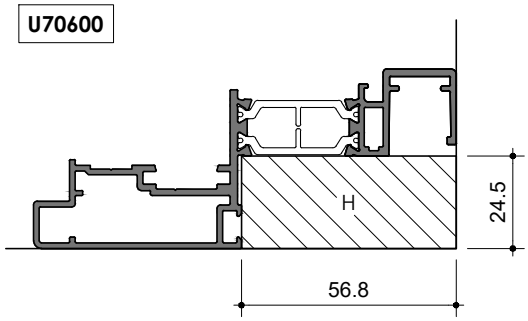
U70601

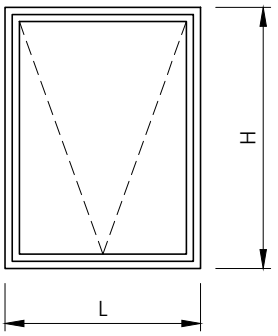


K795



U70600





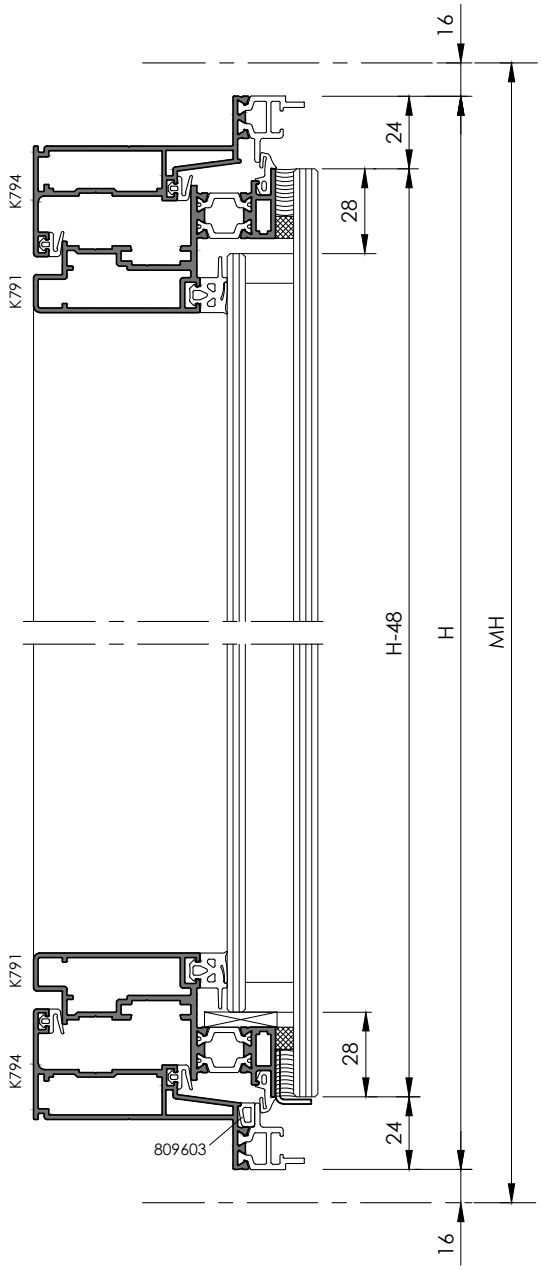
INFISSO A SPORGERE K794 - K791
PROJECTING WINDOW K794 - K791

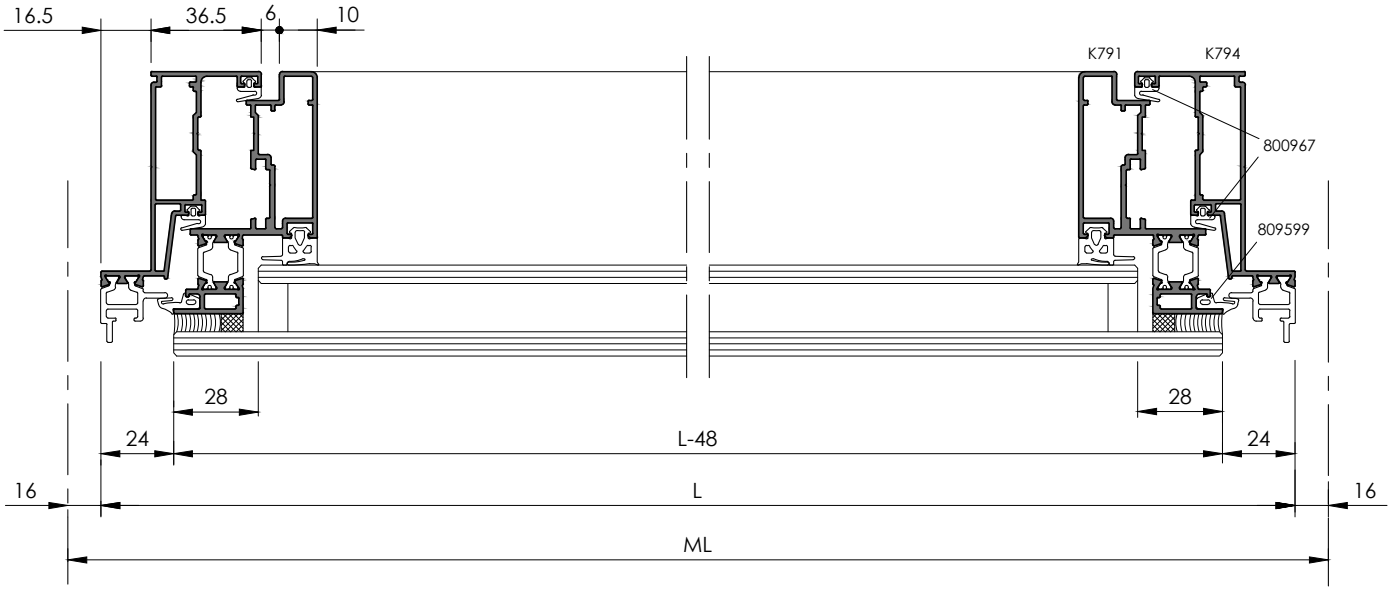
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
K794	Traversi stipite	2	L	45°-45°
K794	Montanti stipite	2	H	45°-45°
K791	Traversi battente	2	L - 48	45°-45°
K791	Montanti battente	2	H - 48	45°-45°
K621	Asta chiusura base	1	L/2 - 172	90°-90°
K621	Asta chiusura base	1	L/2 - 155	90°-90°
K621	Asta chiusure supplementari	-	(opzionale - vedi tav. 9.20)	90°-90°

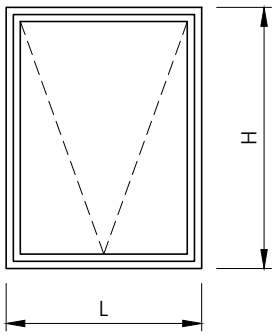
ACCESSORI	DESCRIZIONE	Pz	
702222	Rinvio d'angolo	-	(opzionale in funzione delle dimensioni)
704100/704104	Squadrette (spin. e cianfr.)	8	
704101	Spine per squadrette	16	(solo per spinatura)
704103	Squadrette est. battente	4	
704105	Supporto vetro	2	
704150	Gruppo chiusure base	1	
704152	Chiusura supplementare	-	(opzionale in funzione delle dimensioni)
704159	Kit fissaggio compassi	1	
704160	Regolatore per compasso	1	
H47004(..)	Cremonese	1	
-	Compassi	1	(tipo in funzione di peso e dimensioni)

GUARNIZIONI	DESCRIZIONE	MISURA
800967	Battute	4L + 4H
809599	Battuta esterna	2L + 2H
809603	Finitura traverso inferiore	L
* 80920X	Interna vetro	2L + 2H
(*) Per la tipologia di guarnizione vetro vedi tavola di vetrazione		

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera scalinato	1	L - 48	H - 48







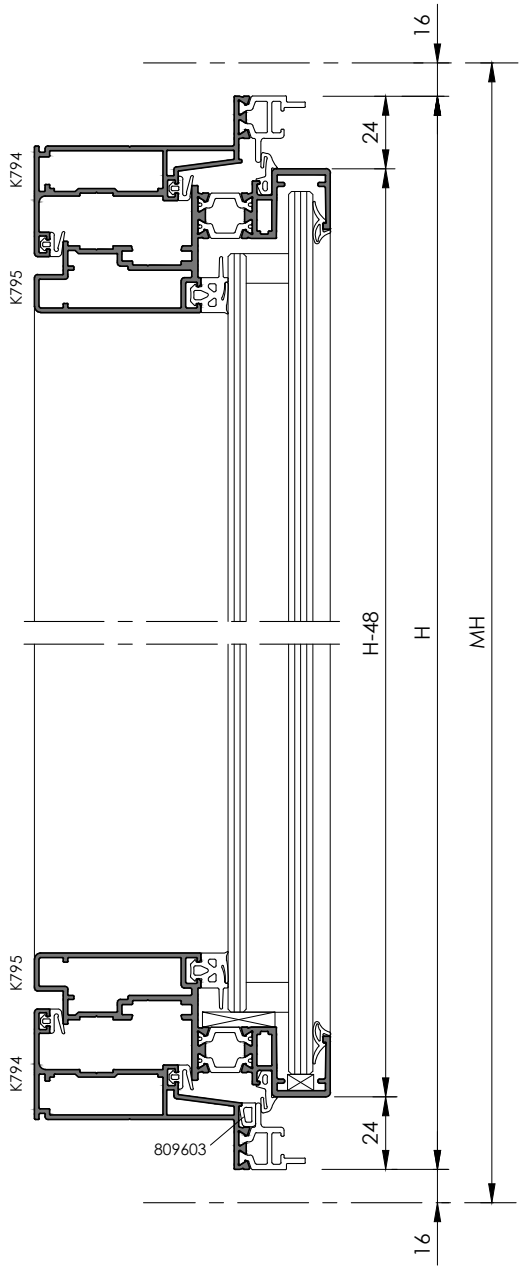
INFISSO A SPORGERE K794 - K795
PROJECTING WINDOW K794 - K795

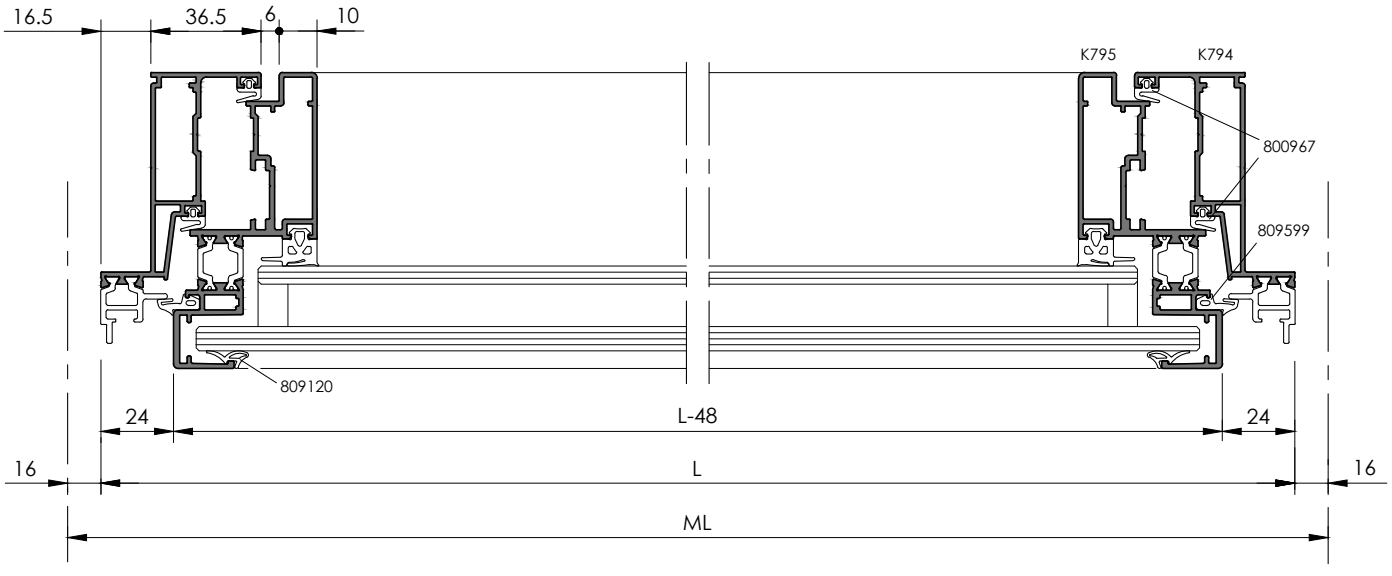
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
K794	Traversi stipite	2	L	45°-45°
K794	Montanti stipite	2	H	45°-45°
K795	Traversi battente	2	L - 48	45°-45°
K795	Montanti battente	2	H - 48	45°-45°
K621	Asta chiusura base	1	L/2 - 172	90°-90°
K621	Asta chiusura base	1	L/2 - 155	90°-90°
K621	Asta chiusure supplementari	-	(opzionale - vedi tav. 9.20)	90°-90°

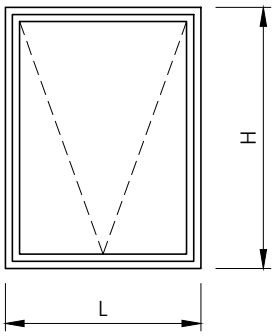
ACCESSORI	DESCRIZIONE	Pz	
702222	Rinvio d'angolo	-	(opzionale in funzione delle dimensioni)
704100	Squad. stip. (spin. e cianfr.)	4	
704104	Squadrette batt. a viti coniche	4	
704103	Squadrette est. battente	4	
704150	Gruppo chiusure base	1	
704152	Chiusura supplementare	-	(opzionale in funzione delle dimensioni)
704159	Kit fissaggio compassi	1	
704160	Regolatore per compasso	1	
H47004(..)	Cremonese	1	
-	Compassi	1	(tipo in funzione di peso e dimensioni)

GUARNIZIONI	DESCRIZIONE	MISURA
800967	Battute	4L + 4H
* 809119/20	Esterna verto	2L + 2H
809599	Battuta esterna	2L + 2H
809603	Finitura traverso inferiore	L
* 80920X	Interna vetro	2L + 2H
(*) Per la tipologia di guarnizione vetro vedi tavola di vetrazione		

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera scalinato	1	L - 64	H - 64







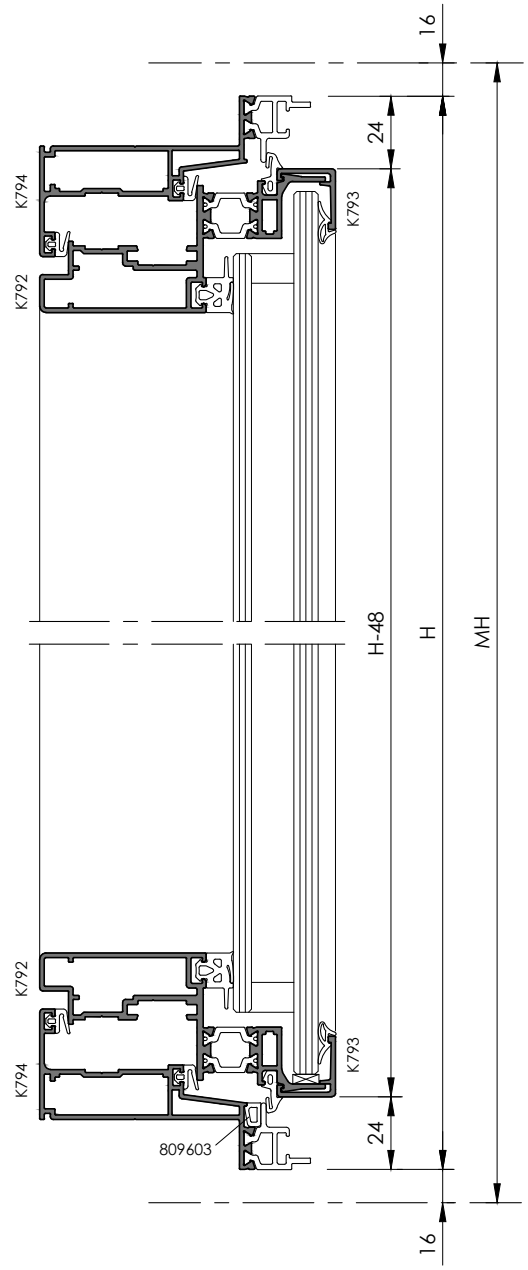
INFISSO A SPORGERE K794 - K792
PROJECTING WINDOW K794 - K792

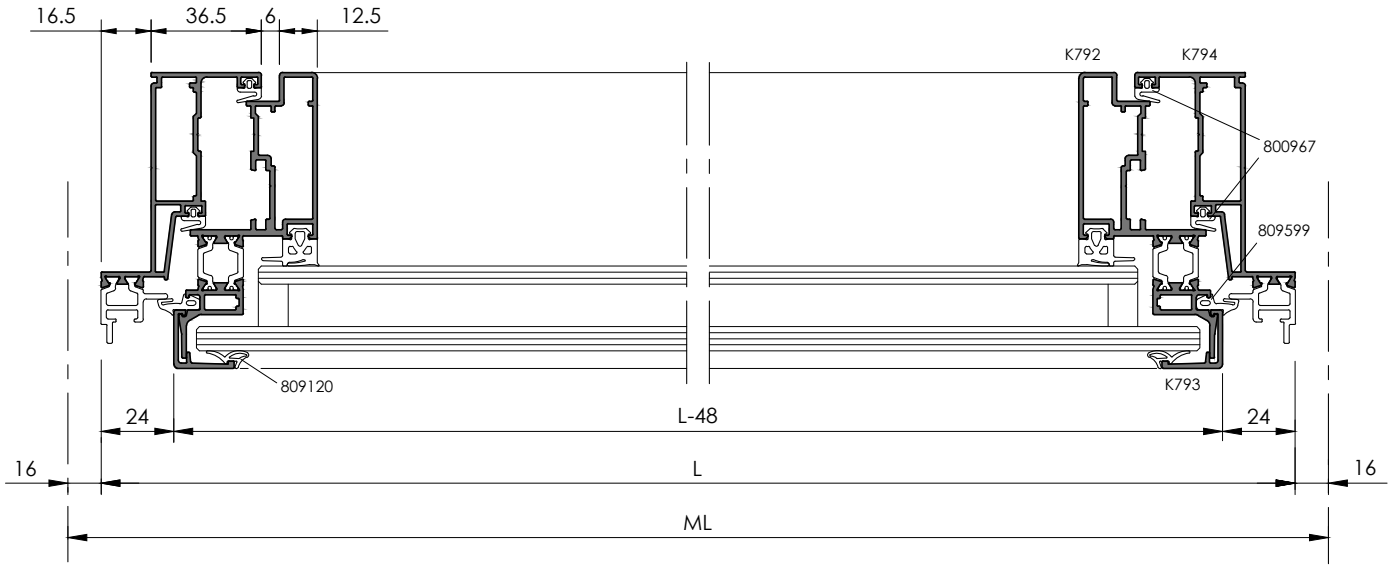
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
K794	Traversi stipite	2	L	45°-45°
K794	Montanti stipite	2	H	45°-45°
K792	Traversi battente	2	L - 51.5	45°-45°
K792	Montanti battente	2	H - 51.5	45°-45°
K793	Fermavetro verticale	2	L - 48	45°-45°
K793	Fermavetro orizzontale	2	H - 48	45°-45°
K621	Asta chiusura base	1	L/2 - 172	90°-90°
K621	Asta chiusura base	1	L/2 - 155	90°-90°
K621	Asta chiusure supplementari	-	(opzionale - vedi tav. 9.20)	90°-90°

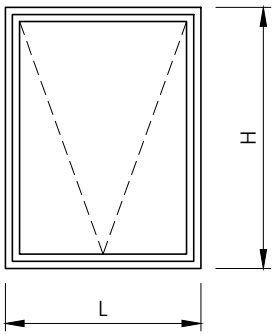
ACCESSORI	DESCRIZIONE	Pz	
702222	Rinvio d'angolo	-	(opzionale in funzione delle dimensioni)
704100/704104	Squadrette (spin. e cianfr.)	8	(solo per spinatura)
704101	Spine per squadrette	16	
704103	Squadrette est. battente	4	
704150	Gruppo chiusure base	1	
704152	Chiusura supplementare	-	(opzionale in funzione delle dimensioni)
704159	Kit fissaggio compassi	1	
704160	Regolatore per compasso	1	
H47004(..)	Cremonese	1	
-	Compassi	1	(tipo in funzione di peso e dimensioni)

GUARNIZIONI	DESCRIZIONE	MISURA
800967	Battute	4L + 4H
* 809119/20	Esterna verto	2L + 2H
809599	Battuta esterna	2L + 2H
809603	Finitura traverso inferiore	L
* 80920X	Interna vetro	2L + 2H
(*) Per la tipologia di guarnizione vetro vedi tavola di vetrazione		

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera scalinato	1	L - 64	H - 64







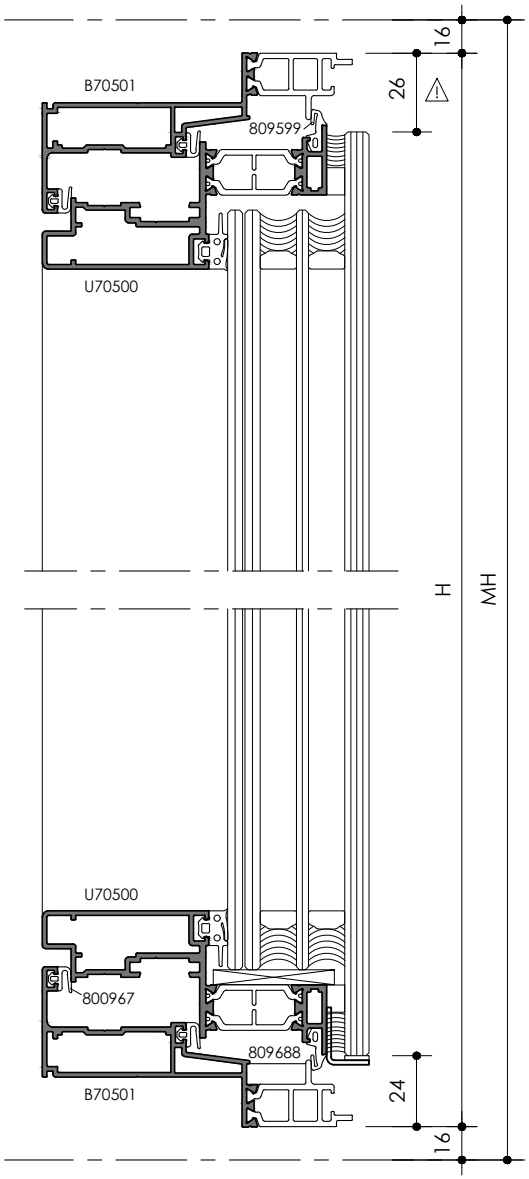
INFISSO A SPORGERE B70501 - U70500
PROJECTING WINDOW B70501 - U70500

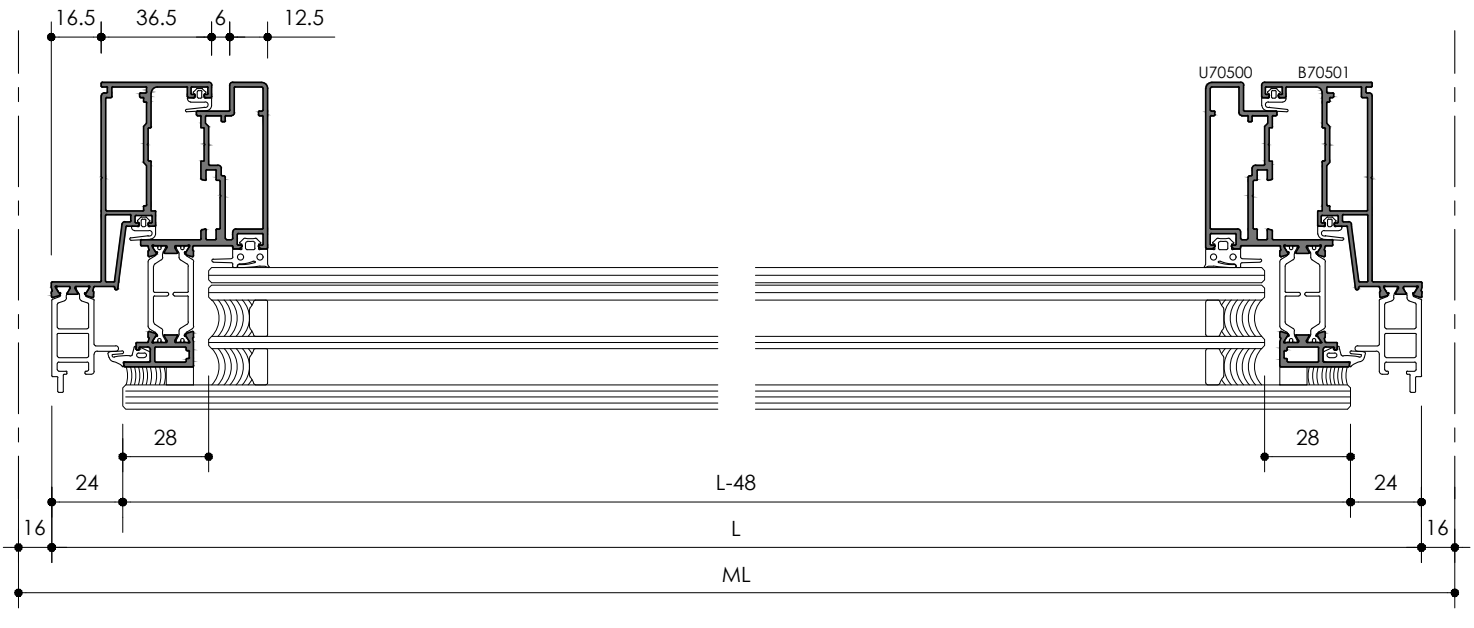
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
B70501	Traversi stipite	2	L	45°-45°
B70501	Montanti stipite	2	H	45°-45°
U70500	Traversi battente	2	L - 48	45°-45°
U70500	Montanti battente	2	H - 48	45°-45°
K621	Asta chiusura base	1	L/2 - 172	90°-90°
K621	Asta chiusura base	1	L/2 - 155	90°-90°
K621	Asta chiusure supplementari	-	(opzionale - vedi tav. 9.20)	90°-90°

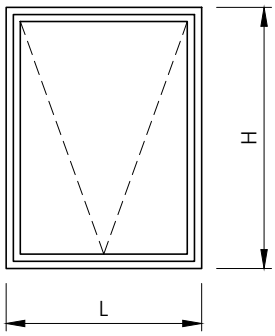
ACCESSORI	DESCRIZIONE	Pz	
702222	Rinvio d'angolo	-	(opzionale in funzione delle dimensioni)
704100/704104	Squadrette (spin. e cianfr.)	8	
704101	Spine per squadrette	16	(solo per spinatura)
704103	Squadrette est. battente	4	
704105	Supporto vetro	2	
704150	Gruppo chiusure base	1	
704152	Chiusura supplementare	-	(opzionale in funzione delle dimensioni)
704159	Kit fissaggio compassi	1	
704160	Regolatore per compasso	1	
710103	Squadrette esterne	4	
H47004(..)	Cremonese	1	
-	Compassi	1	(tipo in funzione di peso e dimensioni)

GUARNIZIONI	DESCRIZIONE	MISURA
800967	Battuta	4L + 4H
809599	Battuta esterna	2L + 2H
809688	Finitura traverso inferiore	L
* 80920X	Interna vetro	2L + 2H
(*) Per la tipologia di guarnizione vetro vedi tavola di vetrazione		

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera scalinato	1	L - 48	H - 50 ⚠







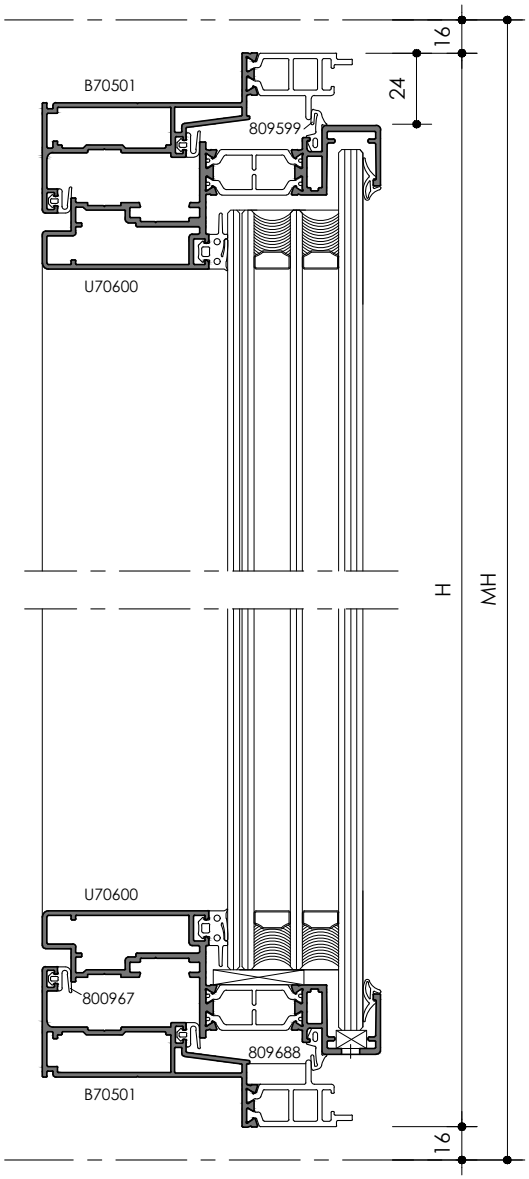
INFISSO A SPORGERE B70501 - U70600
PROJECTING WINDOW B70501 - U70600

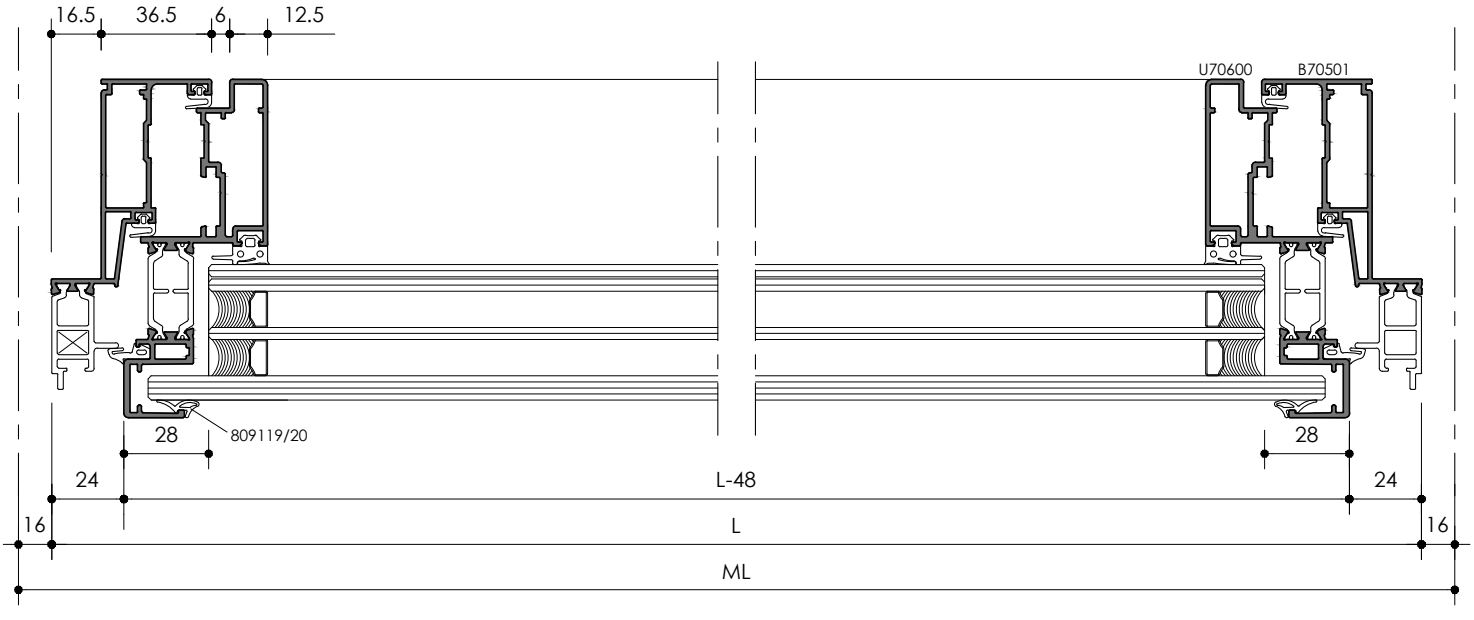
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
B70501	Traversi stipite	2	L	45°-45°
B70501	Montanti stipite	2	H	45°-45°
U70600	Traversi battente	2	L - 48	45°-45°
U70600	Montanti battente	2	H - 48	45°-45°
K621	Asta chiusura base	1	L/2 - 172	90°-90°
K621	Asta chiusura base	1	L/2 - 155	90°-90°
K621	Asta chiusure supplementari	-	(opzionale - vedi tav. 9.20)	90°-90°

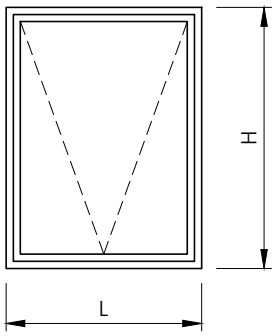
ACCESSORI	DESCRIZIONE	Pz	
702222	Rinvio d'angolo	-	(opzionale in funzione delle dimensioni)
704100	Squad. stipite (spin. e cianfr.)	4	
704101	Spine per squadretta stipite	8	(solo per spinatura)
704103	Squadrette est. battente	4	
704104	Squadrette interna battente	4	
704150	Gruppo chiusure base	1	
704152	Chiusura supplementare	-	(opzionale in funzione delle dimensioni)
704159	Kit fissaggio compassi	1	
704160	Regolatore per compasso	1	
710103	Squadrette esterne stipite	4	
H47004(..)	Cremonese	1	
-	Compassi	1	(tipo in funzione di peso e dimensioni)

GUARNIZIONI	DESCRIZIONE	MISURA
800967	Battuta	4L + 4H
* 809119/20	Esterna vetro	2L + 2H
809599	Battuta esterna	2L + 2H
809688	Finitura traverso inferiore	L
* 80920X	Interna vetro	2L + 2H
(*) Per la tipologia di guarnizione vetro vedi tavola di vetrazione		

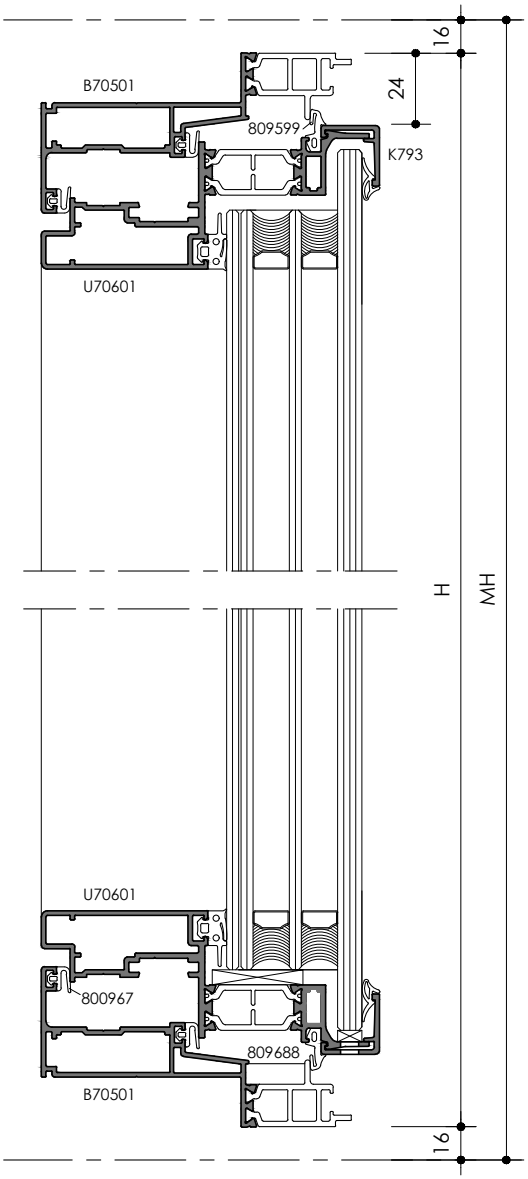
VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera scalinato	1	L - 64	H - 64







INFISSO A SPORGERE B70501 - U70601
PROJECTING WINDOW B70501 - U70601

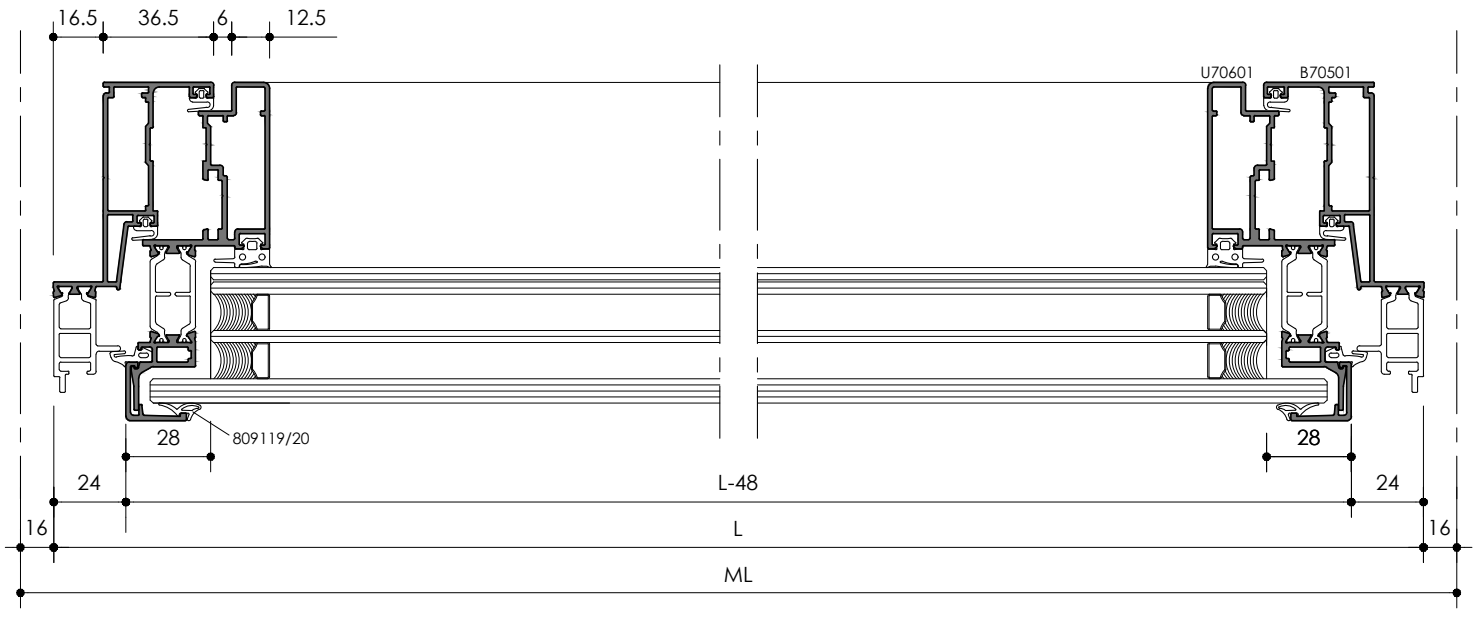


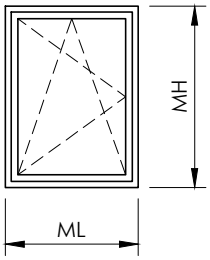
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
B70501	Traversi stipite	2	L	45°-45°
B70501	Montanti stipite	2	H	45°-45°
U70601	Traversi battente	2	L - 51.5	45°-45°
U70601	Montanti battente	2	H - 51.5	45°-45°
K793	Fermavetro verticale	2	L - 48	45°-45°
K793	Fermavetro orizzontale	2	H - 48	45°-45°
K621	Asta chiusura base	1	L/2 - 172	90°-90°
K621	Asta chiusura base	1	L/2 - 155	90°-90°
K621	Asta chiusure supplementari	-	(opzionale - vedi tav. 9.20)	90°-90°

ACCESSORI	DESCRIZIONE	Pz	
702222	Rinvio d'angolo	-	(opzionale in funzione delle dimensioni)
704100/704104	Squadrette (spin. e cianfr.)	8	
704101	Spine per squadrette	16	(solo per spinatura)
704103	Squadrette est. battente	4	
704150	Gruppo chiusure base	1	
704152	Chiusura supplementare	-	(opzionale in funzione delle dimensioni)
704159	Kit fissaggio compassi	1	
704160	Regolatore per compasso	1	
710103	Squadrette esterne	4	
H47004(..)	Cremonese	1	
-	Compassi	1	(tipo in funzione di peso e dimensioni)

GUARNIZIONI	DESCRIZIONE	MISURA
800967	Battuta	4L + 4H
* 809119/20	Esterna vetro	2L + 2H
809599	Battuta esterna	2L + 2H
809688	Finitura traverso inferiore	L
* 80920X	Interna vetro	2L + 2H
(*) Per la tipologia di guarnizione vetro vedi tavola di vetrazione		

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera scalinato	1	L - 64	H - 64





INFISSO AD ANTA-RIBALTA SERIE C77K-CS
TURN AND TILT WINDOW WITH C77K-CS SERIES

PER DETTAGLI COSTRUTTIVI VEDI CATALOGO C77K-CS
SEE CONSTRUTION DEVICE ON C77K-CS CATALOGUE

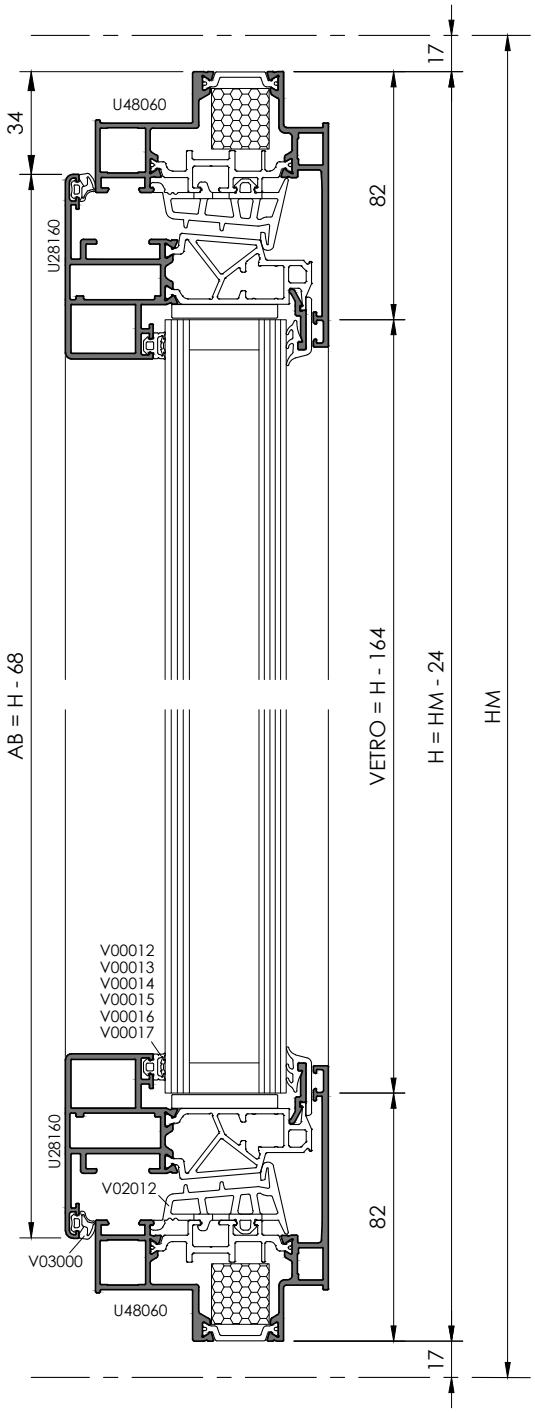
	PROFILI	DESCRIZIONE	Pz	MISURA		TAGLIO
	U48060	Traverso stipite per facciata	2	L		45°-45°
	U48060	Montante stipite per facciata	2	H		45°-45°
*	U28160 (U28161)	Traverso battente	2	L - 68	(=LB)	45°-45°
*	U28160 (U28161)	Montante battente	2	H - 68	(=AB)	45°-45°
	K899	Fermavetro orizzontale	2	L - 158		90°-90°
	K899	Fermavetro verticale	2	H - 184		90°-90°

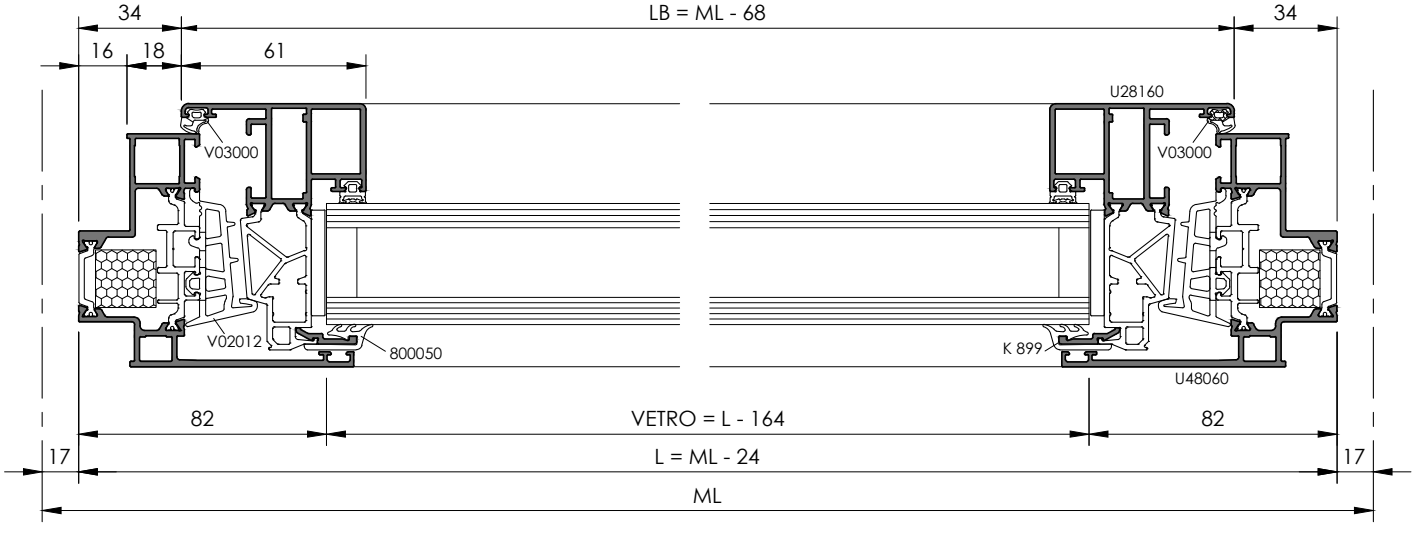
	ACCESSORI	DESCRIZIONE	Pz	
	V43000	Squadretta interna stipite	4	
	710400 / 710401	Viti/spine per squadrette	8	
	710103	Squadretta esterna stipite	4	
	730033	Squadretta allineam est. stipite	4	
	V43015	Squadretta interna battente	4	
	V43016	Squadretta esterna battente	4	
	V70130 / V72074	Viti/spine per squadretta V43015	8	
	V72082	Spina per squadretta V43016	8	
	710041	Sq. allineam. interna battente	4	
	V54005	Angolo vulcanizzato per 800050	4	
	V54007	Angolo per giunto aperto	4	
*	V78002 (V78003)	Kit supporto regolatore	1	
	-	Tasselli vetro	-	
	H48102	Perno per fissaggio H48104	1	
	H48104	Maniglia senza base (Quadra)	1	
	H48108	Cremonese ad incasso	1	
	H48408	Braccetto limitatore	1	(opzionale)
	H48511	Kit antieffrazione	-	(opzionale)
	H48512	Chiusura supplementare	-	(opzionale)
	H48513	Rinvio supplementare	-	(opzionale)
	H48520 ÷ H48534	Asta di connessione	-	(opzionale)
	H48732	Kit base anta ribalta	1	
	H48733 ÷ H48742	Elemento verticale	1	
	H48305	Kit cerniere frontali A-R	1	
	H48401 ÷ H48406	Compasso A-R	1	
	H48904	Angolare fissaggio braccio	1	

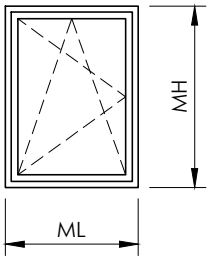
GUARNIZIONI	DESCRIZIONE	MISURA
800050	Guarnizione esterna vetro	2L + 2H
V00012 ÷ V00017	Guarnizione interna vetro	2L + 2H
V03000	Battuta interna	2L + 2H
V02012	Giunto aperto	2L + 2H
V09032	Elemento isolante	2L + 2H

	VETRI	Pz	LARGHEZZA	ALTEZZA
*	Vetrocamera	1	L - 164	H - 164

* Vedi tavole di vetrazione







INFISSO AD ANTA-RIBALTA CON SERIE C77K
TURN AND TILT WINDOW WITH C77K SERIES

PER DETTAGLI COSTRUTTIVI VEDI CATALOGO C77K
SEE CONSTRUTION DEVICE ON C77K CATALOGUE

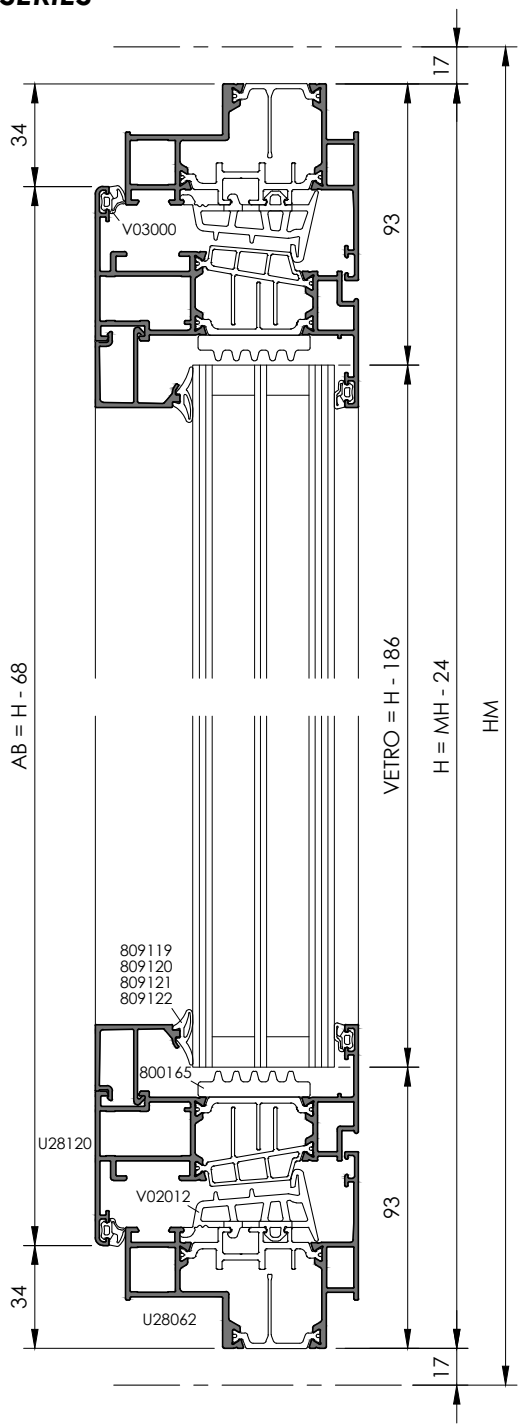
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
U28062	Traverso stipite	2	L	45°-45°
U28062	Montante stipite	2	H	45°-45°
U28120	Traverso battente	2	L - 68 (=LB)	45°-45°
U28120	Montante battente	2	H - 68 (=AB)	45°-45°
-	Fermavetro orizzontale	2	L - 170	90°-90°
-	Fermavetro verticale	2	H - 214	90°-90°

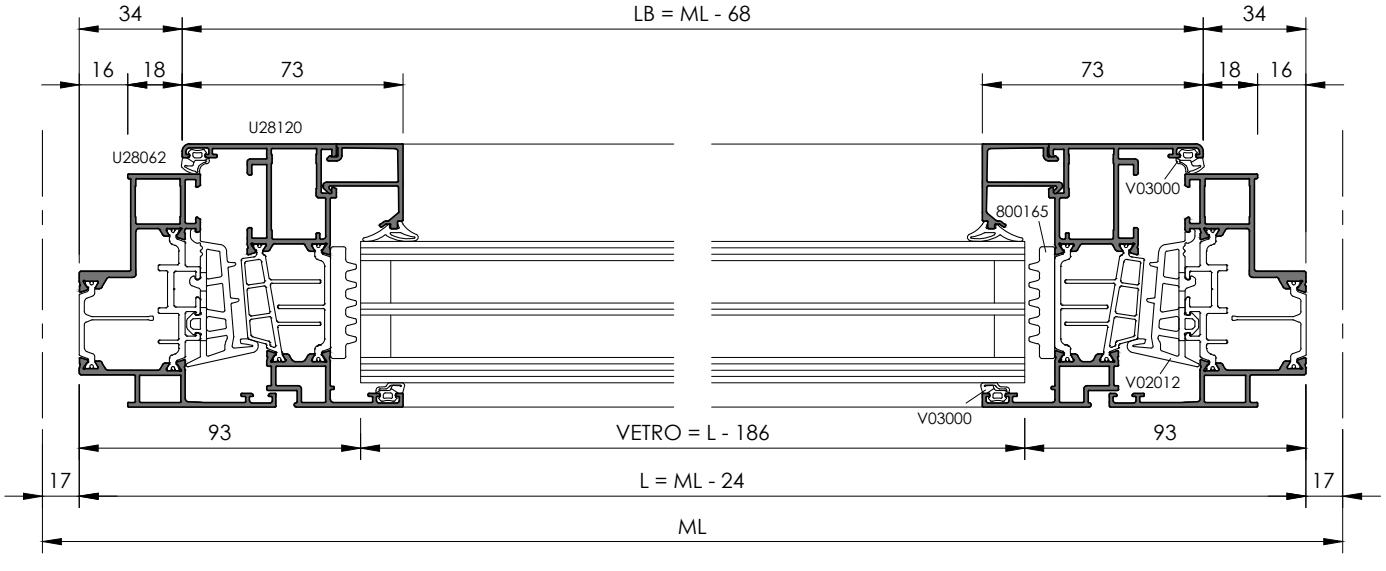
ACCESSORI	DESCRIZIONE	Pz	
710023	Squadretta esterna battente	4	
710041	Squadretta allineam. int. battente	4	
710055	Squadretta allineam. est. battente	4	
710400 / 710401	Viti/spine per squadrette	16	
V43000	Squadretta interna stipite	4	
710408	Squadretta interna battente	4	
710409	Spine per 710411	8	
710411	Squadretta esterna stipite	4	
V54007	Angolo per giunto aperto	4	
712319	Base tassello vetro	6	
-	Tasselli vetro	-	
H43502	Attacco cremonese	1	
H48003	Cremonese	1	
H48408	Braccetto limitatore	1	(opzionale)
H48511	Kit antieffrazione	-	(in base alle dimensioni)
H48512	Chiusura supplementare	-	(opzionale)
H48513	Rinvio supplementare	-	(opzionale)
H48520 ÷ H48534	Asta di connessione	-	
H48732	Kit base anta/ribalta	1	
H48733 ÷ H48742	Elemento verticale	1	

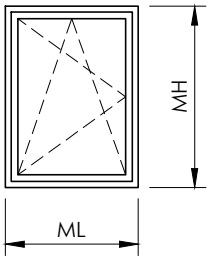
OPZIONE 1 Cerniere frontali	H48305	Kit cerniere frontali Anta Ribalta	1
	H48401÷H48406	Compasso Anta Ribalta	1
	H48904	Angolare fissaggio braccio	1
OPZIONE 2 Cerniere nascoste C110	H48712÷H48717	Kit dx cerniere nascoste C110	1
	V70124P	Viti di fissaggio senza punta	-
	V70124P	Viti di fissaggio autoperforanti	-
OPZIONE 3 Cerniere nascoste C180	H48744÷H48756	Kit dx cerniere nascoste C180	1

GUARNIZIONI	DESCRIZIONE	MISURA
809119÷809122	Guarnizione interna vetro	2L + 2H
800165	Elemento isolante	2L + 2H
V02012	Giunto aperto	2L + 2H
V03000	Guarn. esterna vetro / Battuta interna	4L + 4H

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera	1	L - 186	H - 186







INFISSO AD ANTA-RIBALTA CON SERIE C67K
TURN AND TILT WINDOW WITH C67K SERIES

PER DETTAGLI COSTRUTTIVI VEDI CATALOGO C67K
SEE CONSTRUTION DEVICE ON C67K CATALOGUE

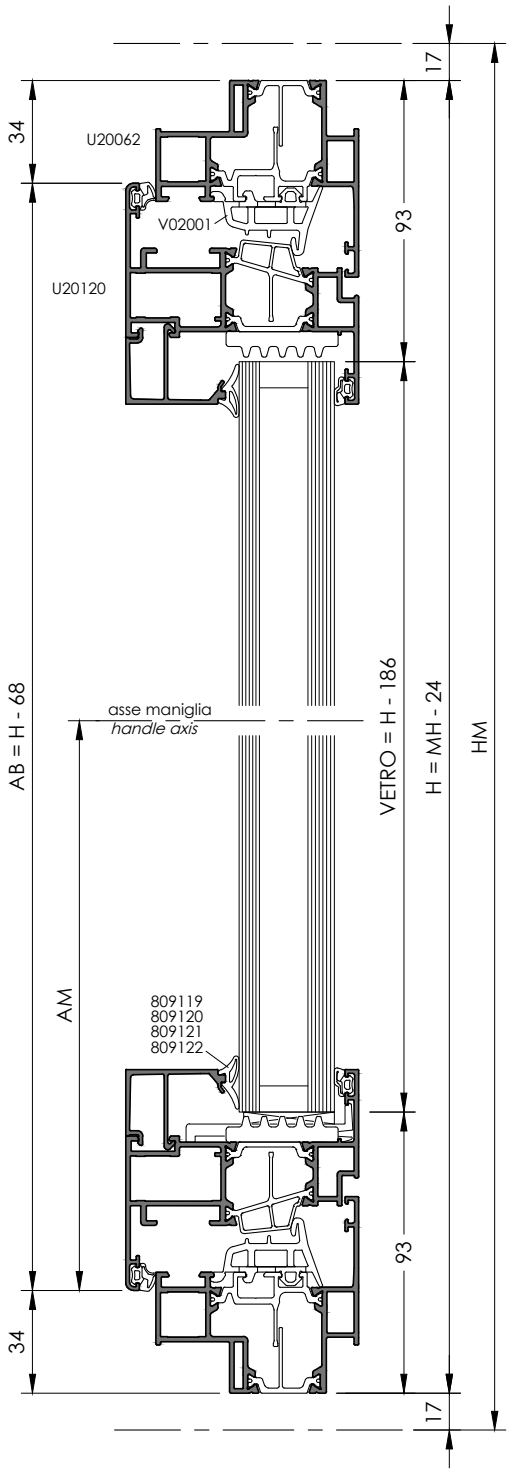
PROFILI	DESCRIZIONE	Pz	MISURA		TAGLIO
U20062	Traverso stipite	2	L		45°-45°
U20062	Montante stipite	2	H		45°-45°
U20120	Traverso battente	2	L - 68	(=LB)	45°-45°
U20120	Montante battente	2	H - 68	(=AB)	45°-45°
-	Fermavetro orizzontale	2	L - 170		90°-90°
-	Fermavetro verticale	2	H - 214		90°-90°

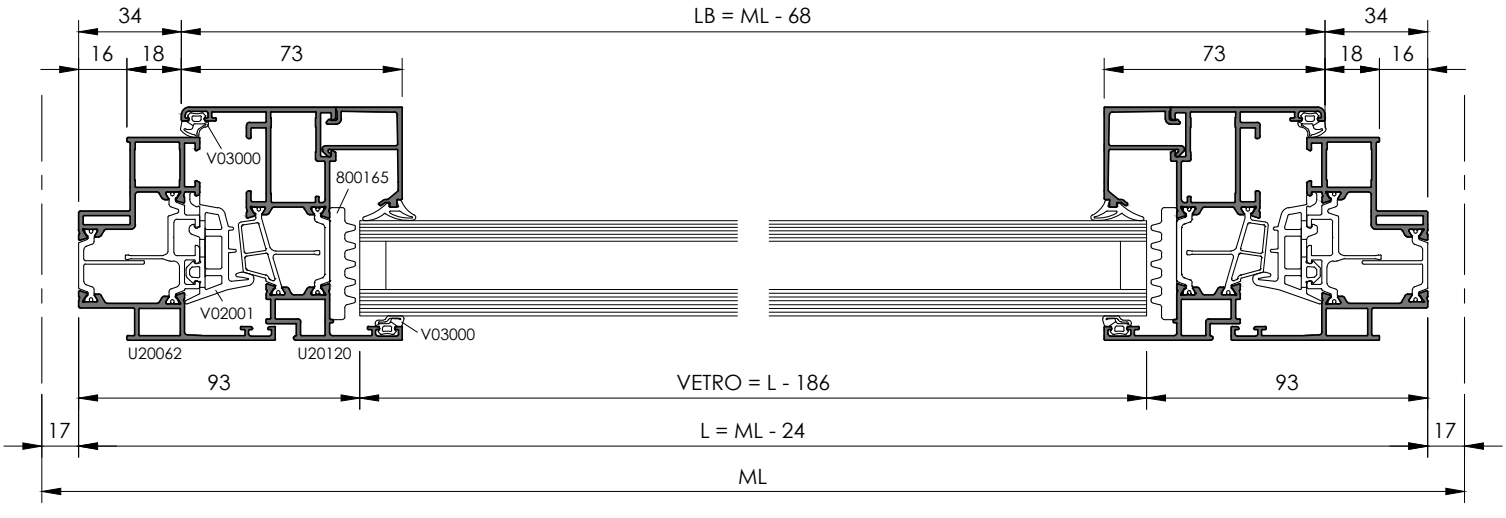
ACCESSORI	DESCRIZIONE	Pz	
710023	Squadretta esterna battente	4	
710041	Squadretta allineam. int. battente	4	
710055	Squadretta allineam. est. battente	4	
710400/710401	Viti/spine per squadrette	16	
V43000	Squadretta interna stipite	4	
710408	Squadretta interna battente	4	
710409	Spine per 710411	8	
710411	Squadretta esterna stipite	4	
V50002/V50003	Regolatori stipite	-	
V54000	Angolo per giunto aperto	4	
712319	Base tassello vetro	6	
-	Tasselli vetro	-	
H43502	Attacco cremonese	1	
H48003	Cremonese	1	
H48408	Braccetto limitatore	1	(opzionale)
H48511	Kit antieffrazione	-	(in base alle dimensioni)
H48512	Chiusura supplementare	-	(opzionale)
H48513	Rinvio supplementare	-	(opzionale)
H48520-H48534	Asta di connessione	-	(opzionale)
H48732	Kit base anta/ribalta	1	
H48733÷H48742	Elemento verticale	1	

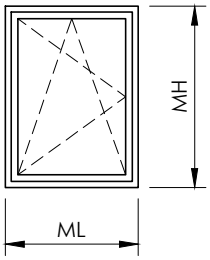
OPZIONE 1 **Cerniere frontali**	H48305	Kit cerniere frontali Anta Ribalta	1
	H48401÷H48406	Compasso Anta Ribalta	1
	H48904	Angolare fissaggio braccio	1
OPZIONE 2 **Cerniere nascoste C110**	H48712÷H48717	Kit dx cerniere nascoste C110	1
	V70124P	Viti di fissaggio senza punta	-
	V70124P	Viti di fissaggio autoperforanti	-
OPZIONE 3 **Cerniere nascoste C180**	H48744÷H48756	Kit dx cerniere nascoste C180	1

GUARNIZIONI	DESCRIZIONE	MISURA
809119÷809122	Guarnizione interna vetro	2L + 2H
800165	Elemento isolante	2L + 2H
V02001	Giunto aperto	2L + 2H
V03000	Guarn. esterna vetro / Battuta interna	4L + 4H

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera	1	L - 186	H - 186







INFISSO AD ANTA-RIBALTA SERIE 67IW
TURN AND TILT WINDOW WITH 67IW SERIES

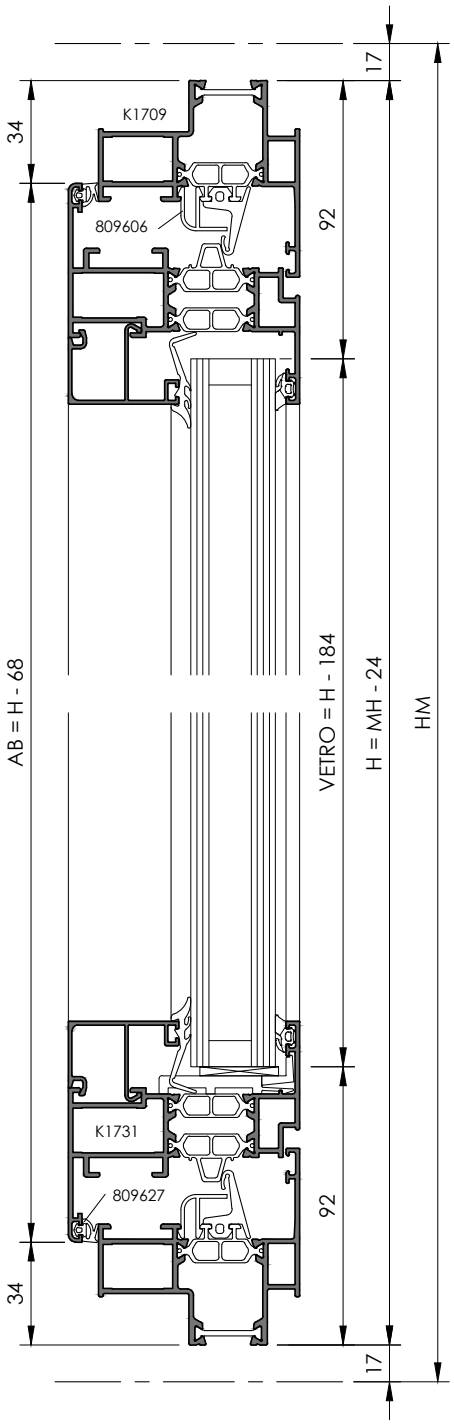
PER DETTAGLI COSTRUTTIVI VEDI CATALOGO 67IW
SEE CONSTRUTION DEVICE ON 67IW CATALOGUE

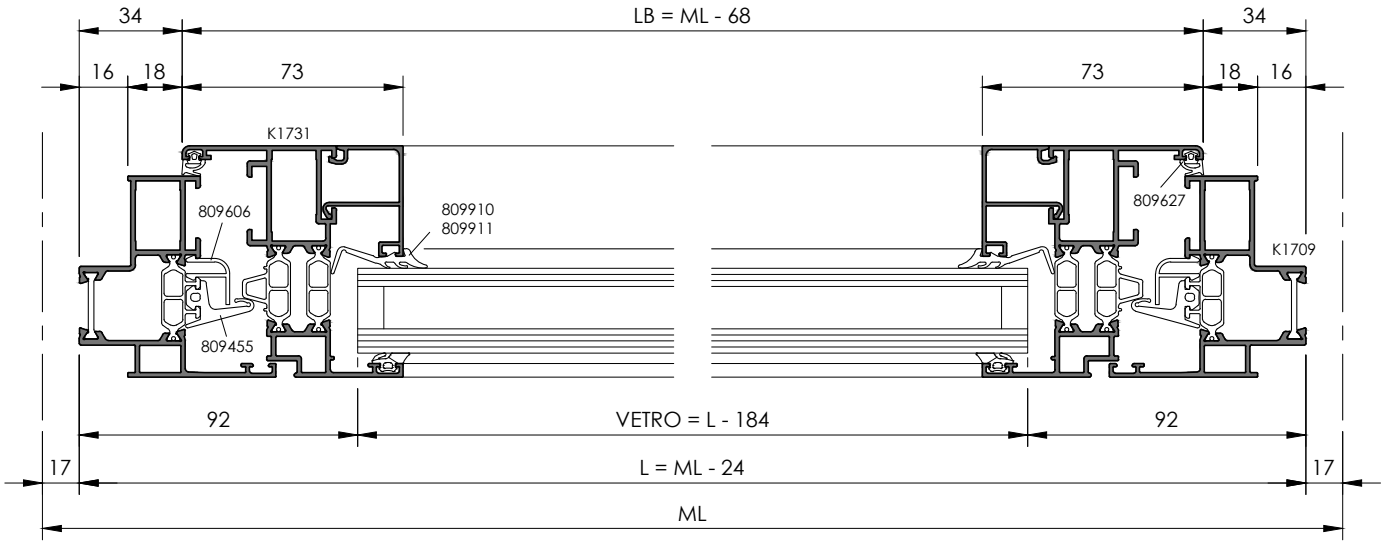
PROFILI	DESCRIZIONE	Pz	MISURA	TAGLIO
K1709	Traverso stipite	2	L	45°-45°
K1709	Montante stipite	2	H	45°-45°
K1731	Traverso battente	2	L - 68 (=LB)	45°-45°
K1731	Montante battente	2	H - 68 (=AB)	45°-45°
K1450	Asta di comando	-	in base alle dimensioni	90°-90°
K1609	Fermavetro orizzontale	2	L - 170	90°-90°
K1609	Fermavetro verticale	2	H - 214	90°-90°
809606	Cappotto termico	2	L - 70	90°-90°
809606	Cappotto termico	2	H - 100	90°-90°

ACCESSORI	DESCRIZIONE	Pz	
710023	Squadretta esterna battente	4	
710041	Squadretta allineam. int. battente	4	
710055	Squadretta allineam. est. battente	4	
710400/710401	Viti/spine per squadrette	16	
710407	Squadretta interna stipite	4	
710408	Squadretta interna battente	4	
710409	Spine per 710411	8	
710411	Squadretta esterna stipite	4	
712150	Angolo per giunto aperto	4	
712317	Tasselli vetro	6	
712320÷712334	Tasselli vetro	6	
716000	Chiusura supplementare	-	(in base alle dimensioni)
718000	Kit base anta ribalta	1	
71801X	Kit cerniere + incontri destro	1	
718050÷718090	Compasso DK	-	(vedi catalogo accessori 67IW)
718200	Rinvio supplementare	-	(in base alle dimensioni)
718210	Braccetto di arresto anta	1	(opzionale)
H47004(..)	Cremonese	1	

GUARNIZIONI	DESCRIZIONE	MISURA
809431	Guarnizione esterna vetro	2L + 2H
809455	Giunto aperto	2L + 2H
809627	Battuta interna	2L + 2H
809910	Guarnizione interna vetro	2L + 2H

VETRI	Pz	LARGHEZZA	ALTEZZA
Vetrocamera sp. 28 mm	1	L - 184	H - 184





2023/11

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