

EKOS
COLLECTIONS

EKOS
IN FINESTI

CATALOGO

ОСНОВЕ



EKOS 150STH

SUN SCREEN COLLECTIONS

SOLUZIONI PER L'ENERGIA
EKOS WINDOWS AND DOORS

GENNAIO 2013

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DESCRIZIONE DEL SISTEMA

SYSTEM DESCRIPTION

DESCRIPTION DU SYSTEME

EKOS
ALUMINIUM COLLECTION

DESCRIZIONE TECNICA DEL SISTEMA

Descrizione del sistema: Sistema di profili a taglio termico, accessori e guarnizioni per la realizzazione di serramenti scorrevoli e alzanti scorrevoli.

Profilati estrusi in lega: EN-AW-6060 (EN 533-3 e EN755-2) HB 65

Stato di fornitura: Secondo norma EN 515

Tolleranze dimensionali: UNI-EN 12020-2

Caratteristiche tecniche del sistema:

Sistema di profili dotati di guarnizioni/spazzolini di tenuta.

I profilati sono isolati termicamente per mezzo di barrette in poliamide PA 6.6 rinforzate al 25% +/-0.1 con fibra di vetro da 20 e 32 mm.

Le barrette sono interposte tra i profilati il cui assemblaggio si ottiene per mezzo di rullatura meccanica a eseguito di zigrinatura delle cave di assemblaggio dei profilati.

I profilati sono assemblati tra loro per mezzo di opportune squadrette e cavallotti in alluminio pressofuso.

Prestazioni termiche: vogliate consultare le apposite schede IT relative ai valori U_f delle varie sezioni dei modelli principali di serramento.

Prestazioni del sistema: il sistema a seguito delle prove eseguite ha ottenuto le seguenti classificazioni secondo i riferimenti normativi EN 14351-1:2006.

Permeabilità all'aria: EN 1026-2000 e EN 12207-1999

Tenuta all'acqua: EN 1027-2000 e EN 12208-1999

Resistenza al vento: EN 12211-2000 e EN 12210-1999.

Applicazione vetri: per mezzo di fermavetri a scatto

Spazio per vetri e pannelli: massimo 46 mm

Profondità di inserimento vetri: 22 mm

Dimensioni di sistema: Il sistema è si compone di vari telai destinati a specifiche applicazioni architettoniche, le ante dotate di barrette da 34 mm sono da 55 mm e Telaio dotato di doppie barrette da 20-32 mm ha una profondità da 130 mm. La sovrapposizione tra i profili è di 10 mm. Per dettagli e soluzioni specifiche consultate le schede NS relative ai nodi principali del sistema.

Campo d'impiego e applicazione: il sistema è studiato per essere applicato su edifici privati ed edifici pubblici per la realizzazione di infissi a scorrere o/e alzanti scorrevoli a 2 ante, a 3 ante e 4 ante scorrevoli.

Caratteristiche estetiche: il sistema si compone di varie soluzioni di Design incluse le ante a scomparsa. Le linee esterne sono leggermente arrotondate e le sezioni equilibrate in modo da conferire al prodotto un aspetto piacevole e funzionale.

TECHNICAL DESCRIPTION OF THE SYSTEM

System description: Thermal break aluminium profiles system, hardware and gaskets for the fabrication of sliding and lift and slide windows and doors.

Aluminium alloy: EN-AW-6060 (EN 533-3 e EN755-2) HB 65

Alloy treatment: EN 515

Dimensional tollerances: UNI-EN 12020-2

System features and characteristics:

Profile system equipped with sealing gaskets or/and brushes.

The thermal break it is obtained assembling polyamide bars (PA 6.6) reinforced with fiberglass up to 25% +/-0.1 , of various sizes from 20-34 mm.

The polyamide bars are assembled to the two aluminium sheels after previous preparation of the polyamide groves on the aluminium for the mechanical rolling the profiles are assembled using apposite die casted corners with buttons or/and by pinning or/and by champfering.

Thermal performances: please read the It data sheets of this catalogue in order to obtain the correct Uf value of the main sections of each model of window and doors of this system.

System performances: this system have been tested and classified according to norms the european standards and norms EN 14351 -1:2006.

Air: EN 1026-2000 and EN 12207-1999

Water: EN 1027-2000 and EN 12208-1999

Wind: EN 12211-2000 and EN 12210-1999.

Glazing method: with clipping glass stops

Glazing and panels gap: max 46 mm (depending on profiles)

Glazing depth: 22 mm

System dimensions: this system it is composed of fix frames profiles of various depths for specifics architectural applications and building solutions, the sashes of 55 mm of depth are built with 34 mm polyamide bars. The fix frame it is equipped with a double thermal break barrier obtained with two sets of 20 mm polyamide bars. The standard fix frame depth it is of 130 mm and it is completed by specific profiles for water evacuation and mosquitos screen application. The profiles are based on 10 mm of overlap between sash and fix frame. For all detail and specific application please consult the section NS of this catalogue about the various windows and doors model sections.

Field of application: the system have been created and studied to be apply on private buildings as well on public buildings for sliding and lift and slide windows and doors requirements and needs. The main models are 2,3,4 sashes models with opening sequences XO, XX, XOX, OXO, XOOX and OXXO, for others models please consult us.

Design features: the system it is composed of various design solutions including the concealed sash version. The external lines are lightly rounded conferring to the profiles a good design and equilibrate sections. The system it is design in oder to insure good performances and have at the same time a modern style.

DESCRIPTION TECHNIQUE DU SYSTEME

Description du système: Système de profils à rupture de pont thermique, avec accessoires et quincailleries pour la fabrication de portes et fenêtres coulissantes et coulissantes à soulèvement .

Alliages d'aluminium: EN-AW-6060 (EN 533-3 et EN755-2) HB 65

State physique: selon norme EN 515

Tollerances dimensionnelles: UNI-EN 12020-2

Caractéristiques techniques:

Système de profils à rupture de pont thermiques avec tenue par brosses et joints.

Les profils sont isolés grâce à des barrettes en polyamide PA 6.6 renforcées avec 25% +/-0.1 de fibre de verre. La dimension de la rupture de pont thermique varie entre 16 et 32 mm selon le dessin des profils. Les barrettes sont placées entre les deux ou voir plus profils en aluminium composant les profils et l'assemblage est obtenu par roulage mécanique des profils après transformation pour l'agrippage dans les caves des barrettes sur chaque profil. Les profils sont assemblés entre eux par des équerrés à pions, à sertir et/ou à goupiller.

Performances thermiques: pour les performances thermiques des profils nous vous prions de consulter les pages IT de cet catalogue ou vous pouvez trouver les valeurs Uf des coupes principales composants tous les modèles de châssi.

Performance du système: le système des profils est conforme aux spécifications et normes EN 14351 -1:2006 et après essais les châssis ont été classés comme ici après.

Perméabilité à l'air: EN 1026-2000 et EN 12207-1999

Tenue à l'eau: EN 1027-2000 et EN 12208-1999

Résistance au vent: EN 12211-2000 et EN 12210-1999.

Application des vitrages: avec parclozes à clipper

Dimension de vitration: max 46 mm (selon les vantaux)

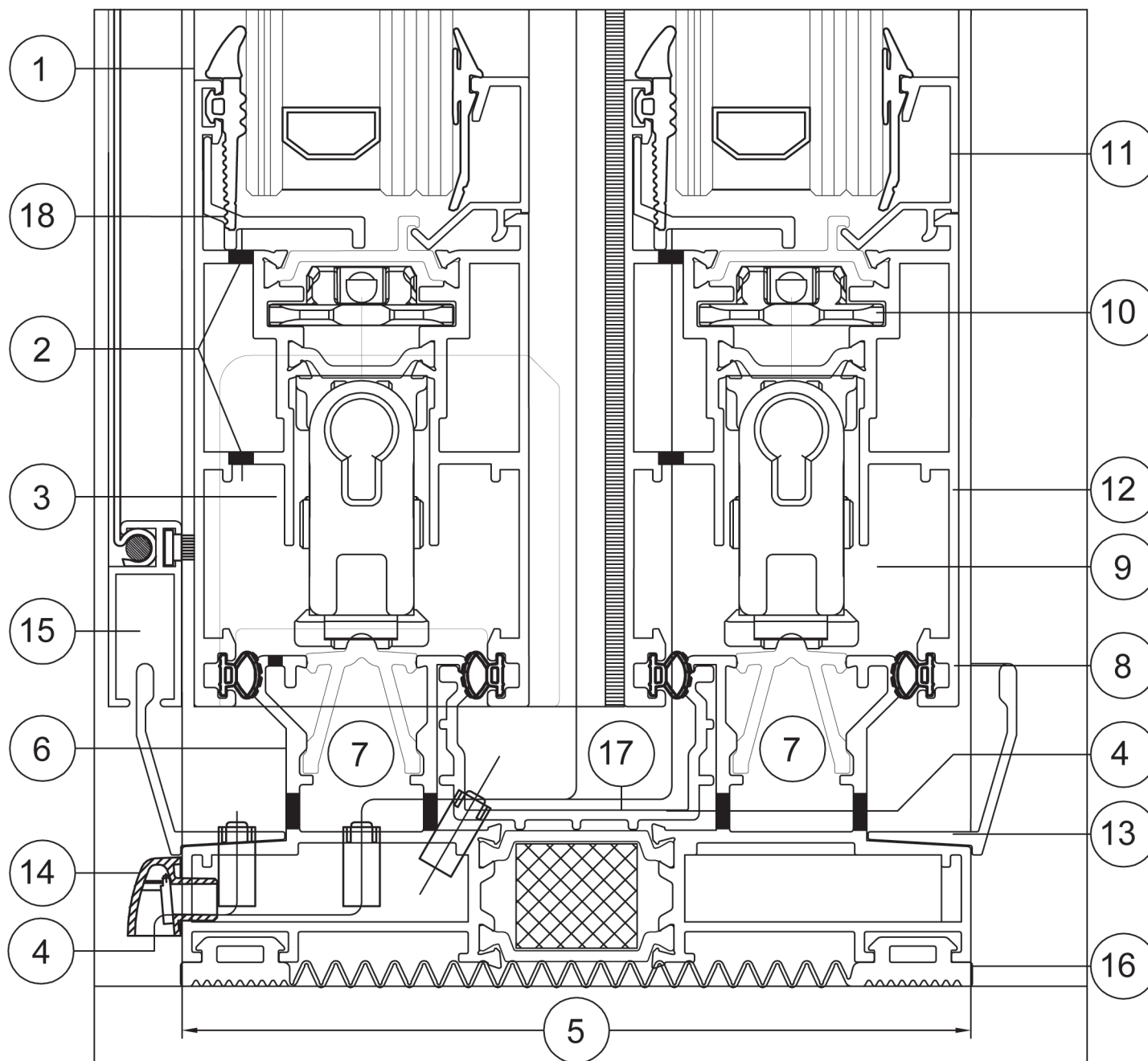
Profondeur de vitration: 22 mm

Dimensions du système: le système se compose de plusieurs châssis fixes pour des applications architecturales diverses et pour tous types de modèles. Les vantaux de 55 mm ont une rupture de pont thermique de 34 mm. Les châssis fixes sont équipés avec double rupture de pont thermique de 20 mm en correspondance de chaque rail. Le dormant standard a une profondeur de 130 mm et les profils ont une superposition entre châssis fixe et vantail de 10 mm. Pour tout autre détail veuillez consulter les pages NS relatives aux coupes principales de ce système de profils.

Domaine d'application et employ: le système a été conçu pour être installé soit sur les bâtiments particuliers et soit sur des bâtiments publics, pour la réalisation de portes et fenêtres coulissantes et coulissantes à soulèvement. avec ce système il est possible de réaliser tous les modèles à 2,3 et 4 vantaux standard et aussi des châssis en galandage.

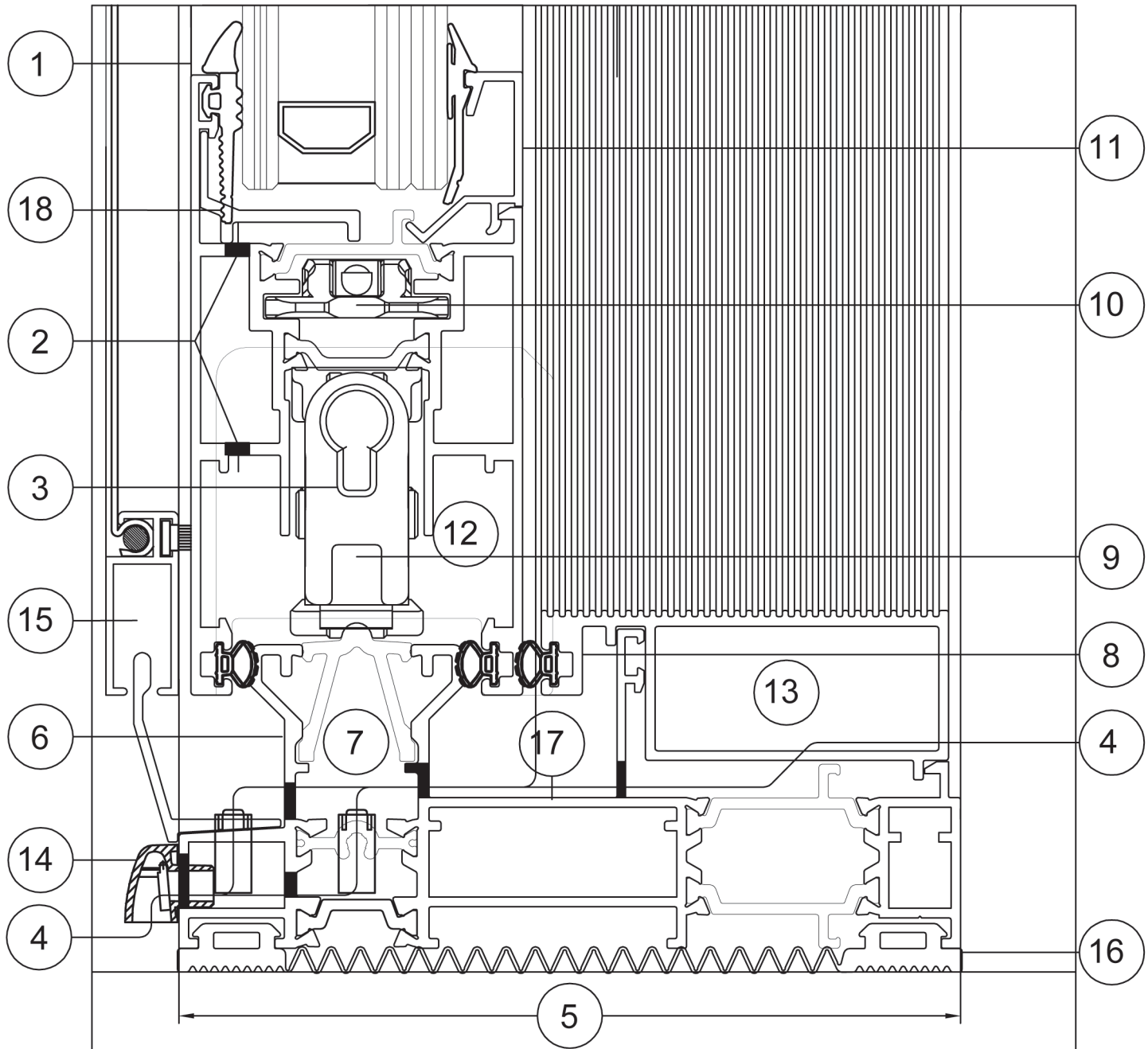
Caractéristiques esthétiques: le système se compose de tout type de solution de design pour tous les modèles de châssis coulissant et coulissant à soulèvement inclus les solutions en galandage. Le dessin des profils est légèrement arrondi et les coupes dans leur ensemble sont dessinées de façon à conférer au produit une esthétique très moderne et équilibrée. Le produit exprime à l'extérieur tous ses aspects fonctionnels avec un dessin sobre qui bien peut s'adapter aussi à des contextes architecturaux traditionnels.

CARATTERISTICHE SISTEMA



1	OUTER SEALING GASKET IN EPDM JOINT PARCLOSE EXTERIEUR EN EPDM GUARNIZIONE F.V. ESTERNA IN EPDM	7	POLYAMIDE RAIL PROFILE PROFIL EN POLYAMIDE PROFILO IN POLYAMIDE	13	WATER HOLDER RECUPERATION DE CONDENSE RACCOGLI-CONDENSA
2	WATER DRAINAGE HOLES DRAINAGE DES EAUX SUR OUVRANT FORI DI EVACUAZIONE CONDENSA	8	INSULATING BRUSHES BROSSES DE ISOLATION SPAZZOLINI DI TENUTA	14	DRAINAGE CAP BUSETTE DE DRAINAGE VALVOLA DI DRENAGGIO
3	ROLLERS PATINS CARRELLI	9	HARDWARE GROVE CHAMBRE ACCESSOIRES CAMERA ACCESSORI	15	MOSQUITO SCREEN Moustiquaire ZANZARIERA
4	DRAINAGE OF THE FIXED FRAME DRAINAGE DES EAUX SUR DORMANT FORI DI DRENAGGIO TELAIO	10	SASH HARDWARE GROVE CHAMBRE POUR EQUERRE INT.OUVRANT CAMERA ACCESSORI INTERNA-ANTA	16	WALL GASKET JOINT DE MISE EN OEUVRE GUARNIZIONE PERIMETRALE
5	FIXED FRAME DEPTH PROFONDEUR DU DORMANT PROFONDITA' DEL TELAIO	11	INNER SEALING GASKET JOINT PARCLOSE INTERIEURE GUARNIZIONE FERMAVETRO INTERNA EPDM	17	CENTRAL CHANEL (PVC) PROFIL EN PVC CANALINA CENTRALE IN PVC
6	SILL PROFILE PROFIL PIECE D'APPUI CONTROTELAIO	12	OUTER ALIGNING CORNER EQUERRE D'ALIGNEMENT EXT.RE SQUADRETTA ALLINEAMENTO PVC	18	GLAZING SUPPORT CALE DE VITRATION SUPPORTO VETRI

CARATTERISTICHE SISTEMA



1	OUTER SEALING GASKET IN EPDM JOINT PARCLOSE EXTERIEUR EN EPDM GUARNIZIONE F.V. ESTERNA IN EPDM	7	POLYAMIDE RAIL PROFILE PROFIL EN POLYAMIDE PROFILO IN POLYAMIDE	13	TRANSIT PROFILE PROFIL DE PASSAGE PROFILO DI TRANSITO
2	WATER DRAINAGE HOLES DRAINAGE DES EAUX SUR OUVRANT FORI DI EVACUAZIONE CONDENSA	8	INSULATING BRUSHES BROSSES DE ISOLATION SPAZZOLINI DI TENUTA	14	DRAINAGE CAP BUNETTE DE DRAINAGE VALVOLA DI DRENAGGIO
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6	SILL PROFILE PROFIL PIECE D'APPUI CONTROTELAIO	12	OUTER ALIGNING CORNER EQUERRE D'ALIGNEMENT EXT.RE SQUADRETTA ALLINEAMENTO PVC	18	GLAZING SUPPORT CALE DE VITRATION SUPPORTO VETRI



CAPITOLATI TECNICI

TENDERS SPECIFICATIONS

CHAIERS DES CHARGES

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CAPITOLATI TECNICI

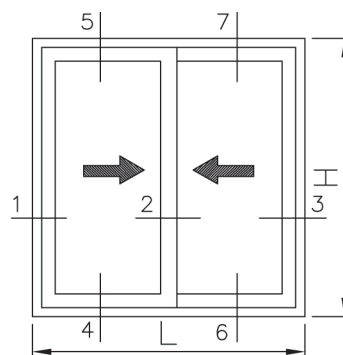
Materiali:

Sistema di Profili a taglio termico per la realizzazione di serramenti scorrevoli, realizzati per mezzo di barre estruse a disegno, in lega d'alluminio EN AW - 6060 (EN 573-3 e E755-2) stato di fornitura EN 515, conformemente alla normativa Europea per Alluminio e Leghe di Alluminio.

Lo Stato Fisico di fornitura e trattamento di invecchiamento dei profili corrisponde alla classe TA - T5. I profili sono conformi alle Tolleranze dimensionali imposte dalla norma EN 12020-2.

Caratteristiche dimensionali:

- Sistema di apertura di tipo Scorrevole.
 - Altezza battuta vetro: 20-25 mm
 - Sormonto tra i Profili: 8,5 mm
 - Fuga tra i profili: 5-10 mm.
 - Sistema di tenuta: Per Mezzo di guarnizioni e spazzolini.
 - Sistema di chiusura: Con possibilita' di chiusure Multipunto.
 - Carrelli Portata massima 300 Kg
 - Vetrature: Cava da 46 mm.
 - Telaio mobile/anta: Telaio con profondita' 130 mm e anta da 55 mm.
- Le dimensioni in altezza della camera tubolare sono studiate per l'inserimento delle squadrette di assemblaggio e allineamento



Protezione superficiale:

La protezione dei profilati potra' essere effettuata mediante ossidazione anodica con classe di spessore superiore ai 15 micron come da norma UNI 4522/00 (66-07), oppure mediante verniciatura a polveri di poliesteri termoindurenti e polimerizzate in forno nel rispetto delle procedure del marchio di qualita' Qualicoat e delle disposizioni UNI 9983 (92-09).

Resistenza delle finiture superficiali:

La finitura superficiale non deve subire corrosioni od alterazioni di aspetto per un periodo di tempo adeguato alla vita del manufatto. Le caratteristiche sufficienti per assicurarne il comportamento in funzione del tipo di ambiente sono specificate dalle norme UNI 4522/00 per l'ossidazione e dalle UNI 9983/00 per la verniciatura, ricordando che i principali fattori che influiscono sulla resistenza all'ambiente sono la vicinanza al mare, l'inquinamento atmosferico, la manutenzione e pulizia anche da pioggia.

Sicurezza:

Al fine di non provocare, evitare e prevenire danni fisici o lesioni agli utenti, i serramenti devono essere concepiti secondo le prescrizioni della normativa in materia di sicurezza DL. 626 del 19/9/94 - DL. 242 del 19/3/96 - UNI 5832 e UNI 7697/00 (77-09).

Caratteristiche Dei Vetri o dei pannelli:

La scelta della vetratura deve essere effettuata secondo criteri prestazionali per rispondere ai requisiti di risparmio energetico, isolamento acustico, controllo della radiazione solare, sicurezza. Riferimento norme: UNI EN ISO 140/3, UNI 6534/00, UNI EN 572/1, UNI 7170, UNI 7172/00, UNI 7142/00, UNI 7143/00, UNI 7144/00.

Guarnizioni:

Le guarnizioni dovranno essere esclusivamente quelle originali prescritte per il sistema, a garanzia delle prestazioni dello stesso e rispondenti alle norme di riferimento UNI 3952/00, UNI 9122/1, UNI 9122/2 e FA (89-1), UNI 9729 parti 1.2.3.4.

Sigillanti:

I sigillanti devono corrispondere a quanto prescritto dalle norme di riferimento UNI 9610/00, UNI 9611, UNI 3952/00. Tali materiali non devono corrodere le parti in alluminio e sue leghe con cui vengono in contatto.

Accessori:

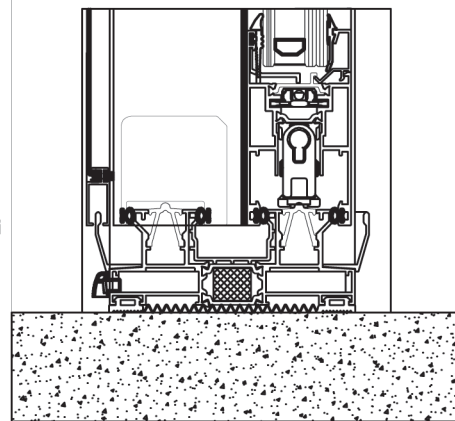
Gli accessori dovranno essere quelli originali prodotti per la serie e rispondenti ai criteri indicati nelle norme UNI e alle disposizioni normative in materia di sicurezza DL. 626 e DL. 242. Ulteriori norme di riferimento sono contenute nella lista di norme fornita con il presente Capitolato

Isolamento acustico:

La scelta della classe di isolamento acustico di un serramento va correlata alla destinazione d'uso del locale nel quale l'infilso dovra' essere inserito e al livello del rumore esterno; il comportamento del serramento in opera e' influenzato da fattori che non e' possibile definire a priori (h dal suolo, orientamento delle sorgenti sonore, etc.). Il potere fonoisolante potra' essere quindi stimato con buona approssimazione, in base alla permeabilita' all'aria del serramento e al potere fonoisolante del vetro. Secondo la classe di appartenenza dell'infilso (A1, A2, A3) si effettuano delle correzioni al potere fonoisolante del vetro sottraendo i valori di DRw; per la classe La perdita di isolamento rispetto al vetro in dB per la classe A1 e' DRw > 8; per la classe A2 e' 2 -D Rw < 5; per la classe A3 e' D Rw < 2. Le norme di riferimento per il calcolo, la determinazione e la classificazione dei profilati e dei serramenti sono le: UNI 8204, UNI 7170, UNI 7959, UNI 8270/3 = ISO 140/3, UNI 7979/00.

Isolamento termico:

La scelta della prestazione di isolamento termico deve essere operata in base alle esigenze di risparmio energetico secondo la legge 10/91, e alle esigenze di benessere ambientale on riferimento alla norma UNI 10345. Si puo' calcolare la trasmittanza termica del serramento a partire dai valori di trasmittanza dei profili e della vetratura secondo i metodi di calcolo teorico previsti dalla norma EN 30077 che prevede il calcolo della trasmittanza attraverso la formula: $U_w = (A_g U_g + A_f U_f + L_g Y) / (A_g + A_f)$. Il calcolo della trasmittanza dei profili e dei serramenti e' da eseguirsi nel rispetto della lista di norme allegata a questo capitolato.



CAPITOLATI TECNICI

Resistenza meccanica:

Il sistema e gli accessori dovranno resistere alle sollecitazioni d'uso secondo i limiti di norma stabiliti dalle disposizioni Italiane ed Europee, in conformità alle UNI 9158 (88-02) e UNI EN 107/00 (83-03) e successivi aggiornamenti

Pulizia e manutenzione:

Per mantenere il più possibile inalterate nel tempo le superfici anodizzate o verniciate, e' necessario che le stesse vengano opportunamente pulite con i prodotti adatti. Le caratteristiche di tali prodotti assieme alla frequenza di pulizia da adottare sono definite nei progetti di norma UNIMET E12.04.270.0 ed E12.04.277.0. L'utilizzatore finale e' pregato di adoperare una normale diligenza nell'effettuare pulizie periodiche sia della parte interna che di quella esterna dei serramenti, in modo da rimuovere con regolarita' eventuali agenti aggressivi, che possono depositarsi accidentalmente sugli infissi.

Certificazioni:

Secondo le vigenti disposizioni di norma, l'onere della prova e certificazione degli infissi appartiene al costruttore dei serramenti o a colui che assembla e posa il prodotto in conformità delle prescrizioni fornite dal distributore. Si ricorda che le certificazioni hanno un valore come risultato di prova e che la loro validità non è estendibile a tutti i serramenti, ma solo al serramento oggetto della prova, quindi il risultato effettivo e la classificazione del Serramento è soggetta a possibili variazioni in funzione degli accorgimenti e della bontà del montaggio da parte di chi di chi esegue il manufatto, oltre alle normali prove di laboratorio è consigliabile prima della fornitura eseguire alcuni controlli e verifiche in merito alla corretta esecuzione del serramento. Una opportuna registrazione degli accessori e delle cerniere contribuisce in modo determinante alle prestazioni finali di tenuta del serramento.

Traccia per capitolato tecnico per fornitura e posa in opera di serramenti in alluminio realizzati con il sistema EKOS 150STH per serramenti a scorrere

Fornitura e posa in opera di infissi in Alluminio a taglio termico, di tipo a scorrere realizzati, con la collezione per serramenti EKOS 150STH, con sistema di tenuta a mezzo di guarnizioni e spazzolini. I profilati sono estrusi in lega di alluminio EN AW - 6060 (EN 573-3 e E755-2) stato di fornitura EN 515, conformemente alla normativa Europea per Alluminio e Leghe di Alluminio.

Lo Stato Fisico di fornitura e trattamento di invecchiamento dei profili corrisponde alla classe TA - T5. I profili sono conformi alle Tolleranze dimensionali imposte dalla norma EN 12020-2.

Il telaio fisso avrà una profondità minima di 130 mm, mentre l'anta avrà una profondità di 55 mm.

Il sistema di tenuta e' assicurato a mezzo di spazzolini con pinna centrale flessibile interposta tra anta e telaio e lo scorrimento e' ottenuto per mezzo di carrelli con una portata massima di Kg 200-300 per anta. In alternativa agli spazzolini il sistema consente di impiegare guarnizioni scorrevoli.

Il taglio termico tra i profili e' realizzato per mezzo di barrette in poliamide PA 6.6, caricate al 25 per cento +/-1 con fibra di vetro. Le barrette sono adatte a essere sottoposte ai vari trattamenti superficiali previsti per i profili in alluminio. Le caratteristiche meccaniche di connessione tra i profili dopo il trattamento assicurano una resistenza a scorrimento superiore ai 24 Kilo Newton, il coefficiente di connessione tra i profili sarà quindi pari a 1 e l'inerzia dei profili sarà determinata dalla geometria complessiva dei profili come se si trattasse di un unico profilo.

Il sistema di profili consente la realizzazione di tutti i modelli di serramenti scorrevoli a due ante, tre ante, quattro ante, cinque ante e 6 ante incluse le tipologie a scomparsa.

I profili sono stati concepiti con linee arrotondate internamente ed esternamente con la possibilità di accogliere soluzioni di fermavetri con taglio a 45° oppure 90°; nel caso di taglio a 90° con fermavetri arrotondati si potranno usare gli opportuni angoli di raccordo in alluminio pressofuso.

La sigillatura e la calettatura dei vetri dovrà avvenire secondo le indicazioni riportate a catalogo eseguita solo ed esclusivamente con guarnizioni fermavetro originali, riportate sul catalogo tecnico e utilizzando gli accessori carica-vetro in commercio. La sigillatura dei vetri dovrà avvenire secondo le indicazioni riportate a catalogo e solo ed esclusivamente con guarnizioni fermavetro originali. Appositi fori di drenaggio dovranno essere previsti sul traverso superiore e su quello inferiore al fine di permettere il corretto funzionamento del serramento.

I limiti di impiego dei profili sono funzione delle caratteristiche geometriche degli stessi, della portata degli accessori e dei carichi di esercizio.

Gli accessori utilizzati nella fabbricazione delle diverse tipologie dovranno essere solo ed esclusivamente quelli originali studiati appositamente per il sistema e riportati a catalogo e distribuiti dal produttore dei profili, l'utilizzo di prodotti diversi da quelli indicati oppure il montaggio parziale o incorretto degli stessi comporterà la nullità dei certificati di prova e garanzia.

La fabbricazione e la posa dovranno avvenire secondo i criteri di lavoro indicati dal produttore di profilati: l'assemblaggio dei profili avverrà con squadrette in alluminio pressofuso a bottone, a spingere o/e cianfrinare in alluminio pressofuso, i tagli dovranno essere protetti a mezzo di sigillanti acrilici o siliconici applicati con le apposite macchinette di sigillatura.

La protezione e finitura dei profilati avverrà a mezzo dei normali trattamenti di superficie, anodizzazione o ossidazione anodica conforme al marchio di qualità QUALANOD oppure a mezzo di verniciatura con polveri di poliestere termoindurenti e polimerizzate in forno a temperature comprese tra 185°C e 195°C, non superiori a 200-205° in conformità del marchio di qualità QUALICOAT.

Le caratteristiche di tenuta dovranno rispondere alle seguenti classi riferite alle norme UNI EN 12207-12208-12210. Le caratteristiche di tenuta dovranno essere dimostrabili con riproduzione in fotocopia del certificato di collaudo effettuato dal costruttore del serramento.

I profili sono adatti agli impieghi previsti secondo le tabelle delle aree climatiche, le prestazioni termiche finali sono determinate dal coefficiente termico del profilo e del vetro secondo la formula prevista dalla norma EN 30077.

Ai fini delle detrazioni fiscali i serramenti dovranno essere conformi a quanto previsto dalle tabelle aggiornate in Gennaio 2010, relative alle prestazioni dei serramenti nelle rispettive aree climatiche dei Comuni Italiani.

CAPITOLATI TECNICI

Materials:

Extruded aluminium collection for sliding windows and doors. The profiles extruded against our exclusive aluminium design conception, in aluminium alloy EN AW - 6063 (EN 573-3 e E755-2), physical state and treatment according to EN 515. The alloys conform to the ASTM and BS norms. The Physical state and the oven treatments of the profiles correspond to the class TA - T5. The profiles are conform to the dimensional tolerances according to the norm EN 12020-2.

System relevant information:

- Sliding Aluminium System for Windows and Doors.
- Glazing depth: up to 25 mm
- Profiles overlap: 8,5 mm
- Profiles Design: To be cut at 45°
- Sealing: By brushes and/or gaskets mounted on the sashes.
- Latching: Simple or/and multipoints.
- Rollers: Single and double wheel rollers (300 kg)
- Glazing Gap: Up to 46 mm
- Dimensions: Fixed frame of 130 mm depth, Sashes of 55 mm.
- Models: XD DX XDX DXD OXXO XXXX XXX XXXX

Surface Treatment:

All the surface treatment are conform to the quality labels QUALICOAT for Powder Coating and QUALANOD for anodization. Anodizing we guarantee the minimum thickness of 15 micron up to 25 microns according to international norms. The powder coating is done with thermosetting and Polyesters Polymeric powders, the profiles are finished into special coating ovens, where the powders reach the right hardness through a heat treatment.

Surface treatment resistance:

The surface treatment done according to QUALANOD and QUALICOAT Quality labels shall be guarantee against corrosion and surface aging degradation for a period of 5-10 years. The surface treatments shall resist to normal and marine exposition without been effected by corrosion or loss of shine. The most relevant factors influencing the surface treatment life lasting are the direct exposure to chemicals. The direct exposure in the front of the sea and/or salty water it may reduce the life lasting of the components. The exposure to heavy polluted environment may cause also problems. A regular cleaning with PH neutral water and soaps increase the components life.

Safety:

In order to prevent injuries or/and accidents the windows and doors are to be installed as displayed in this catalogue, anchoring the components to the building and using original only accessories. The fixing should be made according to the National norms for security and safety use.

Glazing and panels specifications:

Glazing should be mounted according to the catalogue drawings and selected in accordance to the performances required in consideration of energy saving, safety, acoustic and solar radiation factors. These performances are depending on the type of glass installed. The glass mounted shall be conform to the national norms for glazing.

Gaskets:

The gaskets used during assembling and installing the components should be only the ones created for this system and displayed in this product catalogue. The use of other gaskets or/and brushes it may cause functional and design problems. The gaskets used should be conform to the national norms for windows and doors safety applications, do not release toxic smokes in case of fire and insure the performances during all the component life lasting.

Sealing products:

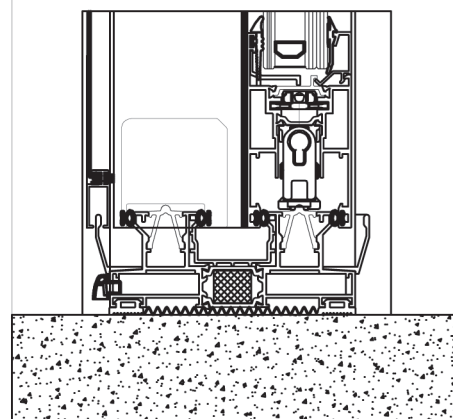
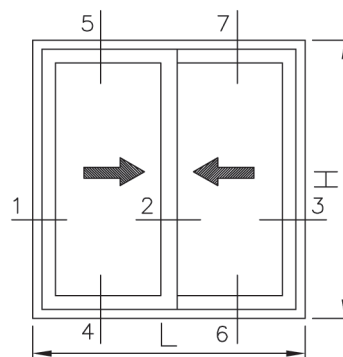
All the sealing products employed during the fabrication of the components and installing the components on the building are to be conform to the specific uses for aluminium profiles and surface treatments. Sealing products should be PH neutral and specifically studied do not start any chemical or/and corrosive reaction with the windows and doors components, accessories, gaskets and surface treatments.

Accessories:

All the accessories used for the manufacturing, mounting, functioning and installation of this system are specifically studied for this system in order to insure performances and a correct functioning of the models. The use of others accessories different from the ones displayed in this catalogue it may effect or/and make dangerous the functioning of the component. Only the accessories studied for this sliding are the ones to be used.

Acoustic performances:

The Acoustical performances of the Windows and doors are depending on the correct mounting of all accessories and gaskets according to the catalogue specifications. The performances that you will obtain depend on various factors. The nature of the sound, the distance of the component from the noise origin and the orientation of diffusion of the noise. The factor influencing the final performances of the window are the sound performances of the glass and the air permeability window's classification. In general to have an approximate idea of the final performances of the components from the Certified Insulating Power expressed in dB (decibel) of the glass, you should subtract from 8 to 2 decibels (8-5-2) 8 db for the lowest classification, 5 db for a medium performance to the air and only 2 db in case the window is classified to the top performances for air permeability. Only Laboratory tests will provide you in all the case a scientific and trustable classification.



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Thermal performances:

The Thermal performances of the window are determined by the U_f (Profile Thermal value), the U_g (glass thermal value) and by the surfaces of the frames (AF) and glass surface (Ag). The choice of the windows thermal performances are depending on the building code requirements and on the results on terms of energy saving that you need to obtain. The Thermal performances of all the windows (U_w) are to be calculated using the following approximated formula: $U_w = (A_g U_g + A_f U_f + L_g Y) / (A_g + A_f)$.

Mechanical strenght:

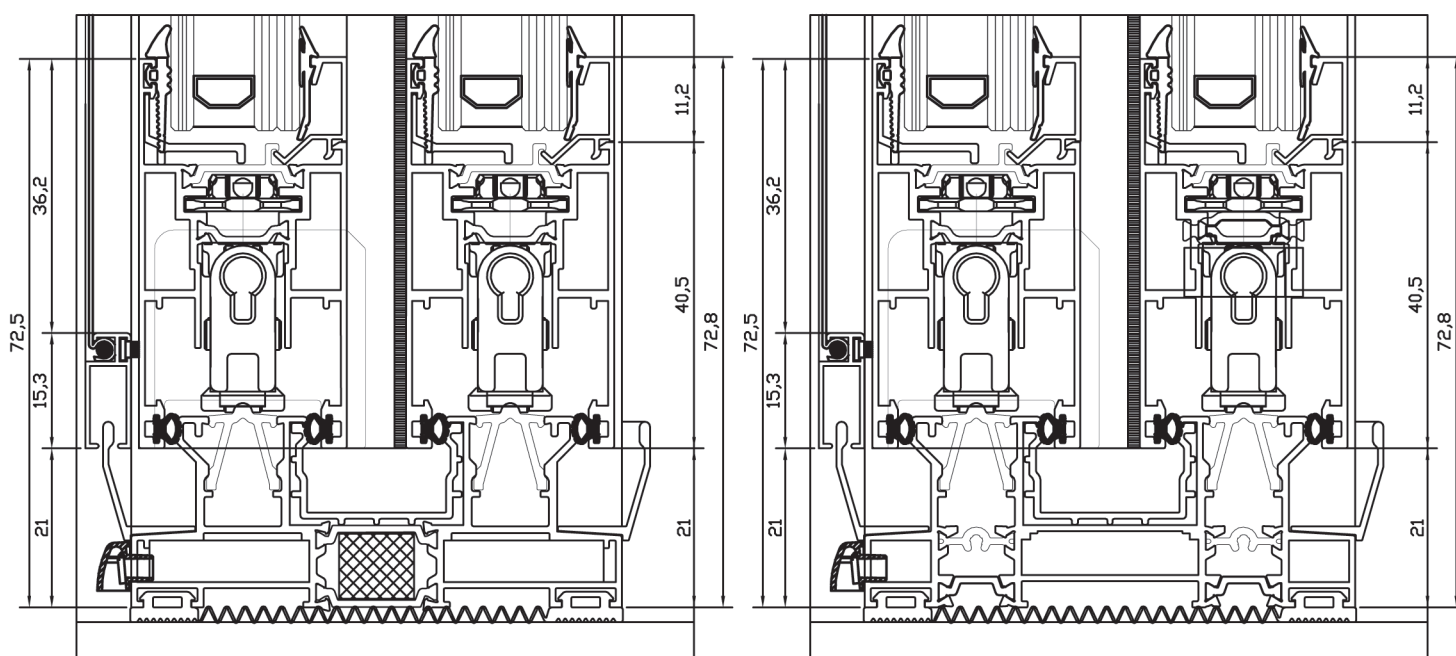
The Aluminium System and all accessories should resist to the standard loading methods of testing for windows and doors according to the national norms and codes. The method of testing is described into the norms.

Cleaning and maintenance:

In order to maintain the components and increase the life lasting of the windows and doors and preserve the surface treatments it is required a regular and periodic cleaning. All the cleaning products are to be Ph neutral, in general good water and a neutral soap are the products to be used for the cleaning. Avoid please all products containing chemicals that are not tested or well identifiable, that may produce corrosive actions especially on the surface treatments, on gaskets and also on the glass. Drive your cleaning with soft sponges, inside and outside of the window. Remove first with only by water spraying all eventual dusts and others abrasives before to proceed with sponges and soap. Remove the soap with clean water.

Certificates and testing:

The certificates and the tests are to be obtain by the windows producer or/and the windows makers. The windows are to be mounted and fabricated following all the instructions contained into this catalogue. The performances can be obtained only by following these instructions and operating a correct registration of all the hardware parts. To obtain the same performances installing the product on the building a correct verification and regulation of the hardware it is required. The Windows and doors should result to be tested according to the national norms for windows ad doors testing. The performances and the method of testing are described into the norms and building codes issued by the competent authorities.



Telaio tipo 1

Telaio tipo 2

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Nature et Qualite des materiaux:

Les differents profils et tous les composants entrant dans la fabrication des menuiseries repond aux exigences des normes reglementant leur caracteristiques et leur utilisation. Profils en alliage d'aluminium 6060 (A-GS)(serie froide objet de garantie decennale a charge du constructeur des menuiseries). Les toles outillissess seront de qualite DAA, en alliage d' aluminium A5. Sauf mention particuliere, les toles utilisees seront des toles lisses.

Caracteristiques du systeme:

- Systeme coulissant pour portes et fenetres.
- Profondeur de vitration: maximum 25 mm
- Recouvrement entre profils: 8.5 mm
- Design: coupe a' 45°
- Etaincheite' : avec joint brosses sur ouvrants.
- Fermetures : Simple ou multipoints.
- Patins: Simples ou doubles avec possibilite de reglage
- Vitrages: Maximum 46 mm
- Dimentions: Dormant de 130 mm de profondeur, ouvrants de 55 mm.
- Models: XD DX XDX DXD OXXO XOOX XXX XXXX

Traitement des surfaces:

La couche d'alumine des elements extérieurs en aluminium est anodisee avec une epaisseur minimale de 15 microns, les colmage est et sera bien realise dans le respect des specifications EWAA, Classe 15. Pour les profils d'ouvrages interieur, le niveau d'anodisation pourra etre ramenee a la classe 10 des sousdites specifications. Le laquage des profils repond aux normes NF P 34.601 et 34.602 et au label de qualite QUALICDAT.

Autres mesures de precaution:

Pendant le chantier, il y aura lieu de prendre toutes precautions vis a vis des projections et des poussieres de ciment, a ce sujet les stockage des elements se fera dans un local a l'abri de l'humidite, des condensations, des poussieres et projections de ciment, sous enveloppe en plastique soude.

Vitrages:

Les vitrages utilisees devront repondre aux definitions des normes concernant leur nature et mise en oeuvre en fonction de l'expositions et des dimentions des menuiseries, seon les DTU et les NF.

Joints etanches- Classement de la menuiserie:

L'etancheite entre les menuiseries exterieures et les parois sont realisees sous la responsabilite de l'entreprise adjudicataire du present chantier, sans que les avis et accords donnees par le maitre d'ouvrage et le bureau de controle ne puissent la degager d'une quelconque facon. Le niveau d'etancheite des menuiseries exterieurs est correspondant aux exigences du classement normalisse....., tous les joints seront mis en oeuvre par l'entreprise et devront repondre aux prescription et conclusions des proces verbaux a ala reception des travaux.

Quincailleries:

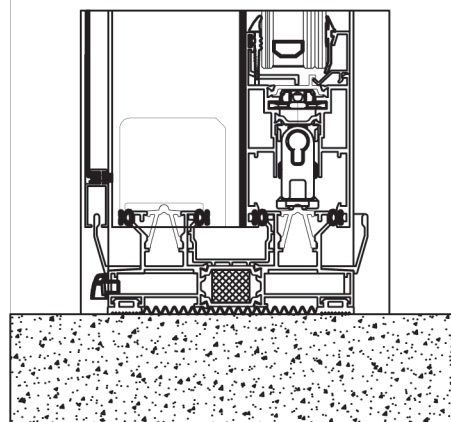
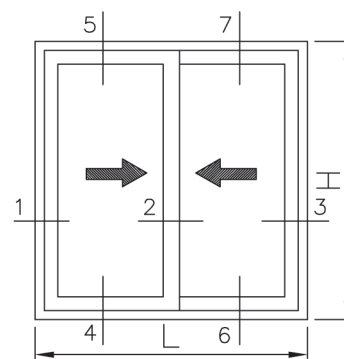
Les quincailleries de premier choix en aluminium anodise ou prelaque, avec conformite aux mrques de qualite ou en acier inoxydable, en acier Zingue ou cadmie pour les accessoires invisible soumis a des efforts important, toutes precaution sera prise a fin d'eviter les problemes de corrosion locale par phenomene electrochimique entre les deux metaux differents. Visserie en alliage d'aluminium ou en acier inoxydable.

Toutes les pattes de fixation et autres articles metalliques ferreux non inoxydable devront recevoir au prealable une couche de peinture inhibitrice de la corrosion agreee sur appret phosphatant. Les mastiques utilisees devront etre compatibles avec les materiaux supports et devront etre prepares et employes conformement aux prescription de leurs fabricants.

Ventilation:

Les bouches d'entree d'air neuf seront incorporees aux traverses hautes ou intermediaire des menuiseries lorsqu'il n'ya pas de volet roulant ou coffres de ceux-ci lorsqu'il y en a.

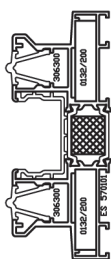
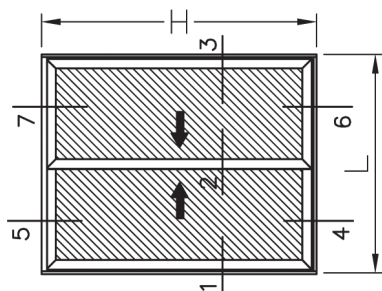
Descriptif detaille: Fourniture et mise en oeuvre de menuiseries d'alliage d'aluminium 6060 (A-GS) laquee du type de classement selon EN (ou superieur), comprenant: Verification des cotes existantes ou livre par les corps d'etat realisant la structure, par rapport aux reservations demandees, reception des seuils, appuis et feuillures, prise des cotes exactes sur place avant mise en fabrication. Profils drainants de geometrie et section adaptees aux types et dimentions des chassis, et determiner par l'entreprise suivant les regles en viguer, en fonction du site et de son exposition aux vents. L'echantillonage et le dimensionnement devront etre justifies par des notes de calculs a fournir au bureau de controle avant la mise en fabrication, Renforts en acier les cas echant sur les ensembles des grandes dimensions. Laquage suivant les normes NF 34-601 et 34-602, coloris au choix de l'architecte dans la palette RAL K3 (300 coloris).Assemblage en couple d'onglet au moyen d'equerres en aluminium ou en coupe droite au moyen de raccords t en aluminium fixes mecaniquement entre les deux profils. Les parclozes devront etre en aluminium clipsees avec joints d'etancheite preformes agreee sur la double peripherie assurant l' etancheite entre les cadres et le vitrage. Etancheite entre dormants et ouvrants realisee suivant le type de chassis, par joints preformes agreees, les profils devant assurer la recuperation et l'evacuation des eaux de condensation et/ou de ruissellement sur l'exterieur. Bavette formant jet d'eau en partie basse des ouvrants. Construction, dimentions repartition des ouvrants et partie fixes suivant plan de reperage et de calepinage de l'architecte, avec ferrage et systeme de verrouillage adaptes. Quincaillerie en aluminium prelaque (paumelles, poignees, etc.) ou en acier zingue pour les accessoires invisibles soumis a des efforts importants (cremone, etc.), avec visserie en acier inoxydable. Reservations furniture et pose a charge du present lot, localisation a charge du lot N°..... nom..... Tous les locaux donnant sur l'exterieur devront avoir plusieurs bouches d'entree d'air neuf.



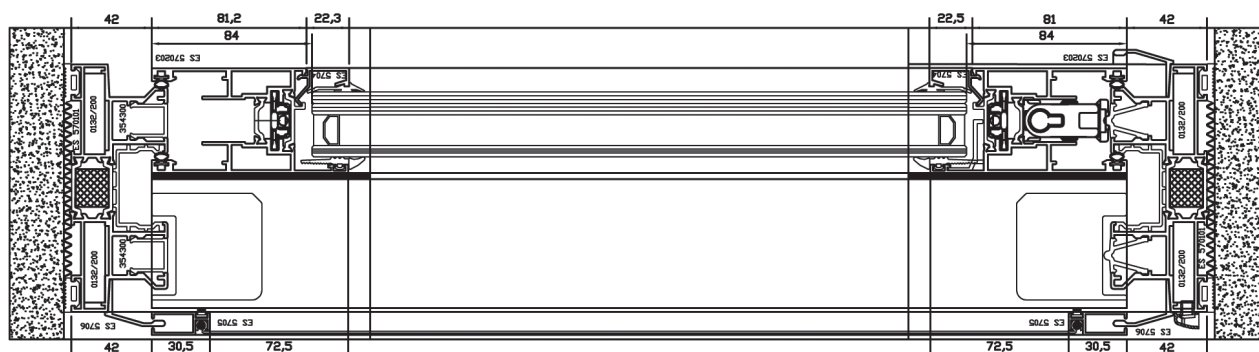
CAPITOLATI TECNICI

ALUMINIUM PROFILES SYSTEM FOR SLIDING WINDOWS AND DOORS	
Dimensioni e Descrizione del sistema	130 mm
Profondità telaio fisso:	55 mm
Profondità telaio anta:	Con doppio spazzolino/guarnizioni scorrevoli 146-116 mm
Sistema di tenuta:	Multipunto
Dimensione sezioni::	46 mm
Chiusure:	AA 6063 T5
GLAZING:	
Leghe di Alluminio	

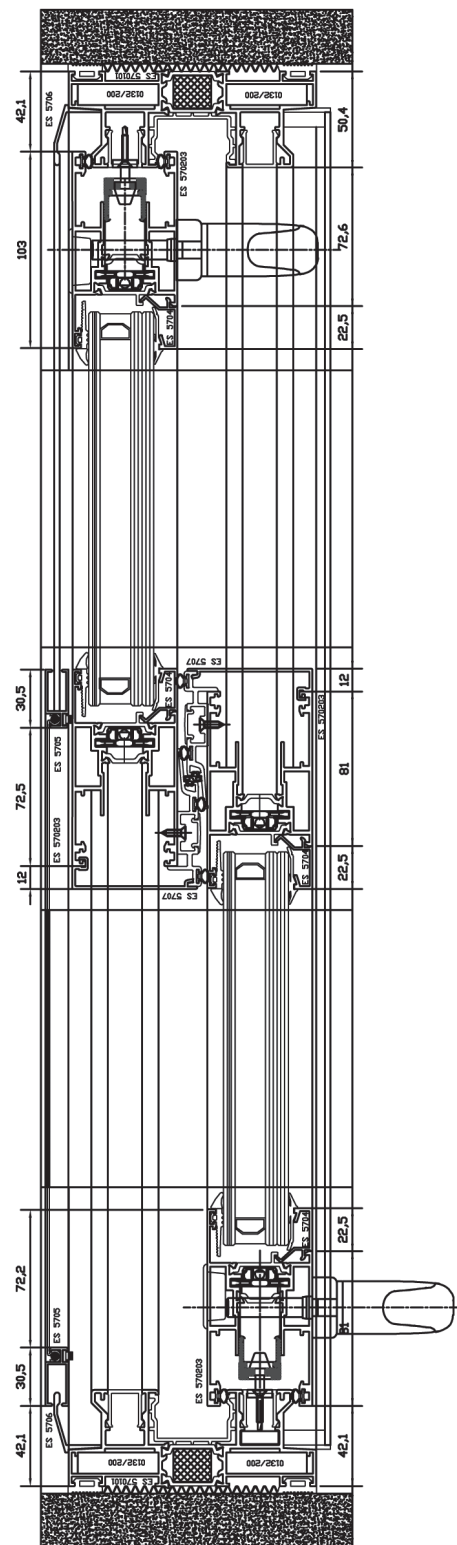
EKOS 150STH MODELS SOLUTIONS



Sezione verticale - EKOS 150STH

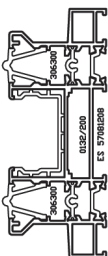
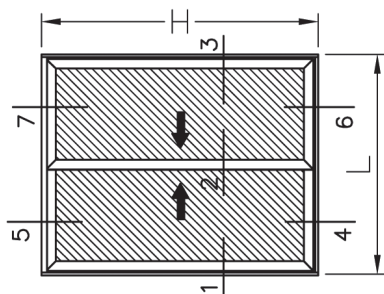


Sezione orizzontale - XO MODEL - EKOS 150STH

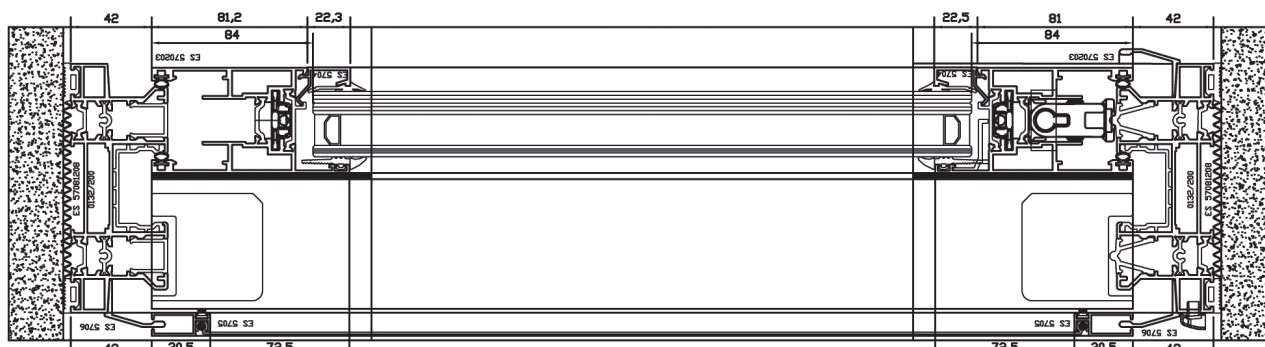


CAPITOLATI TECNICI

EKOS 150STH MODELS SOLUTIONS



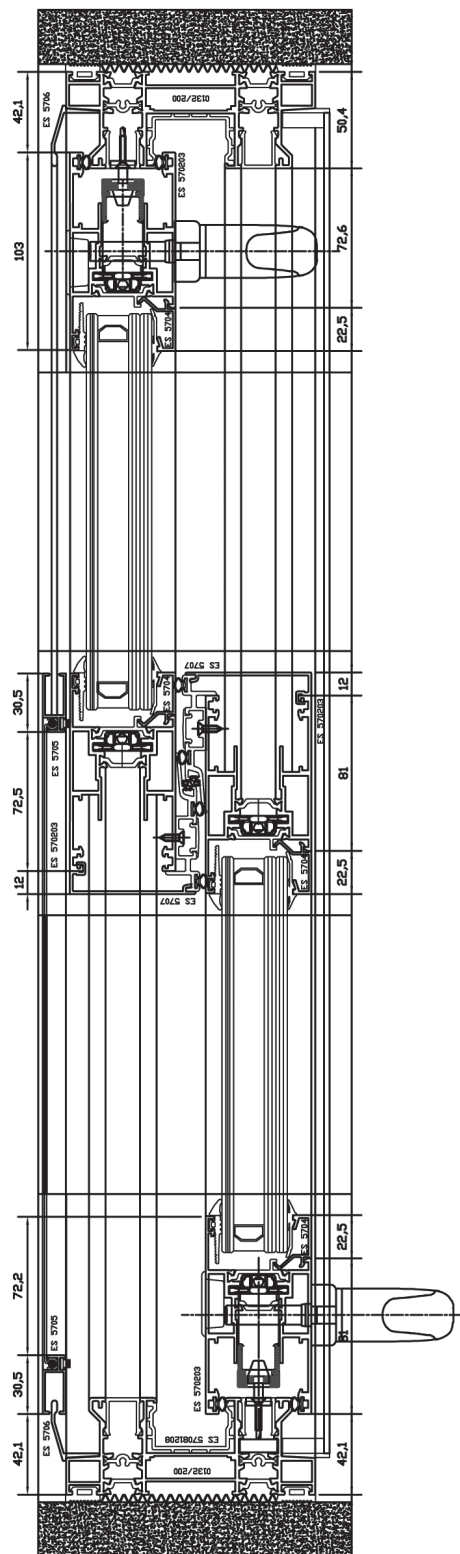
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GLAZING:	AA 6063 T5
Lega di Alluminio	AA 6063 T5

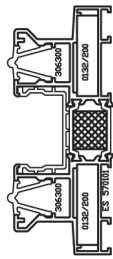
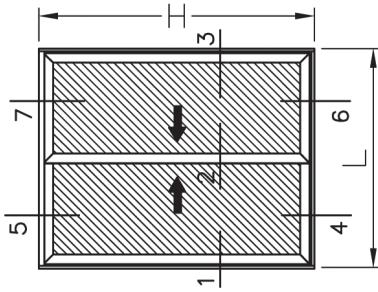
Sezione orizzontale - XO MODEL - EKOS 150STH



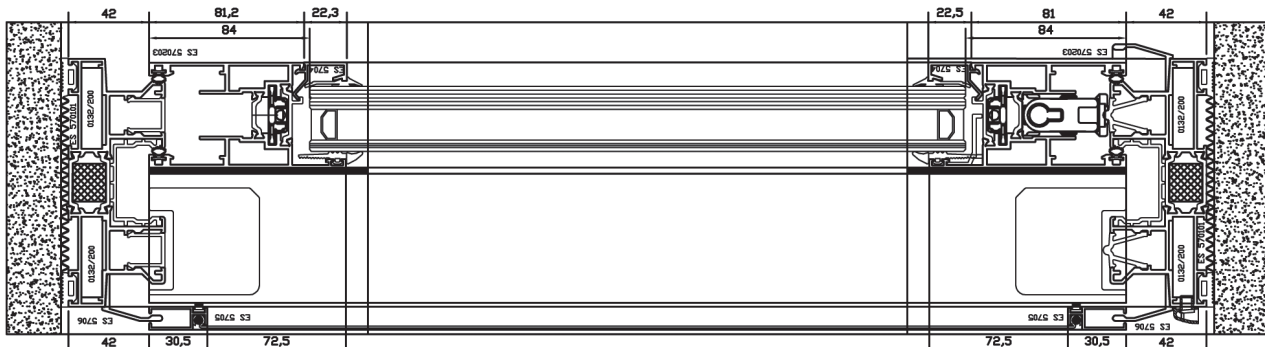
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GLAZING:	46 mm
Legge di Alluminio	AA 6063 T5

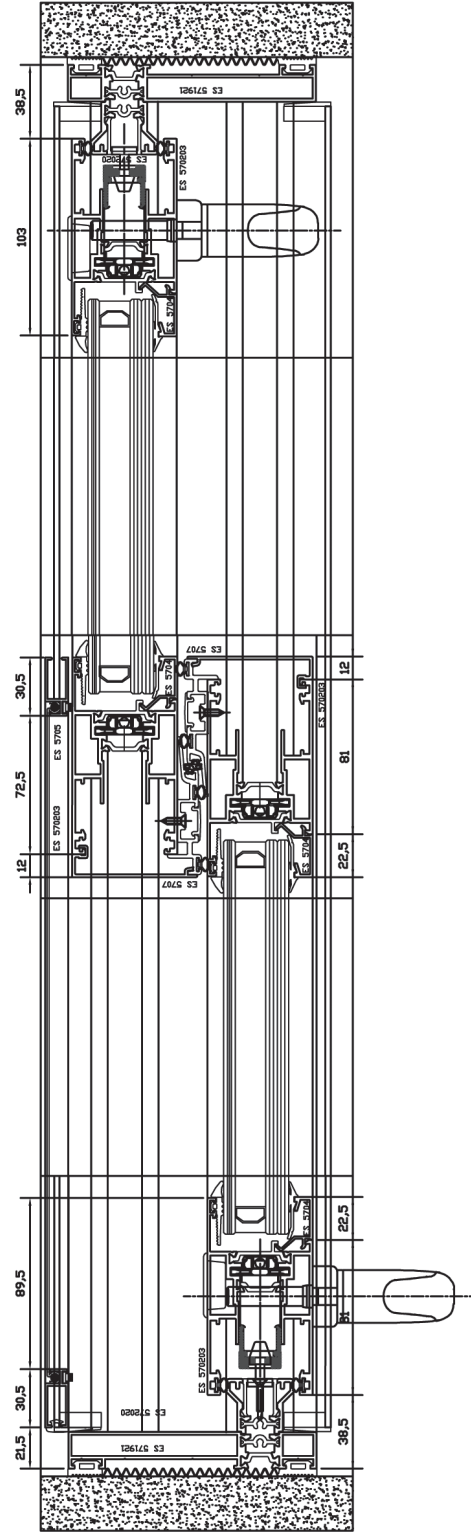
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Sezione verticale - EKOS 150STH



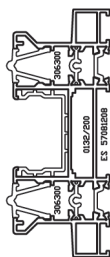
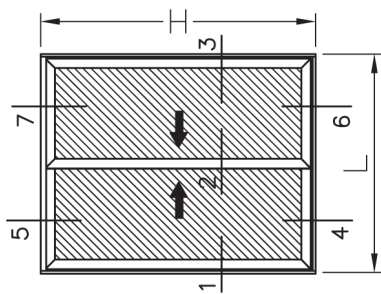
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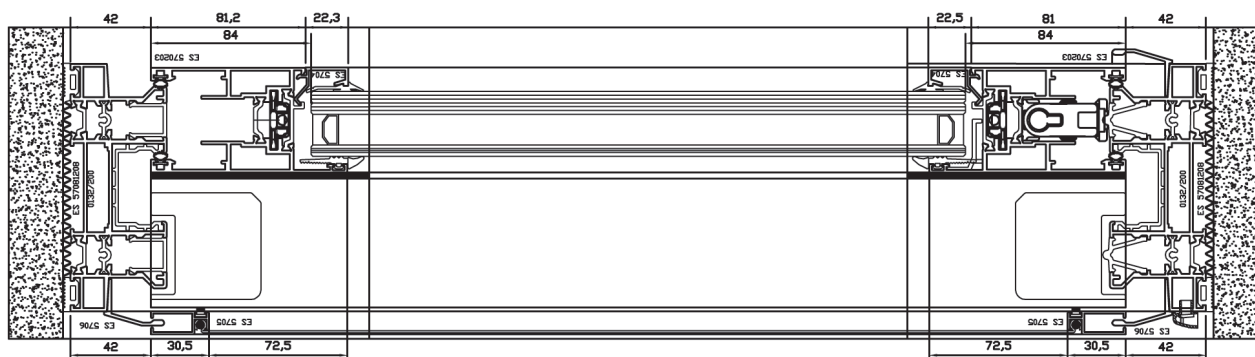
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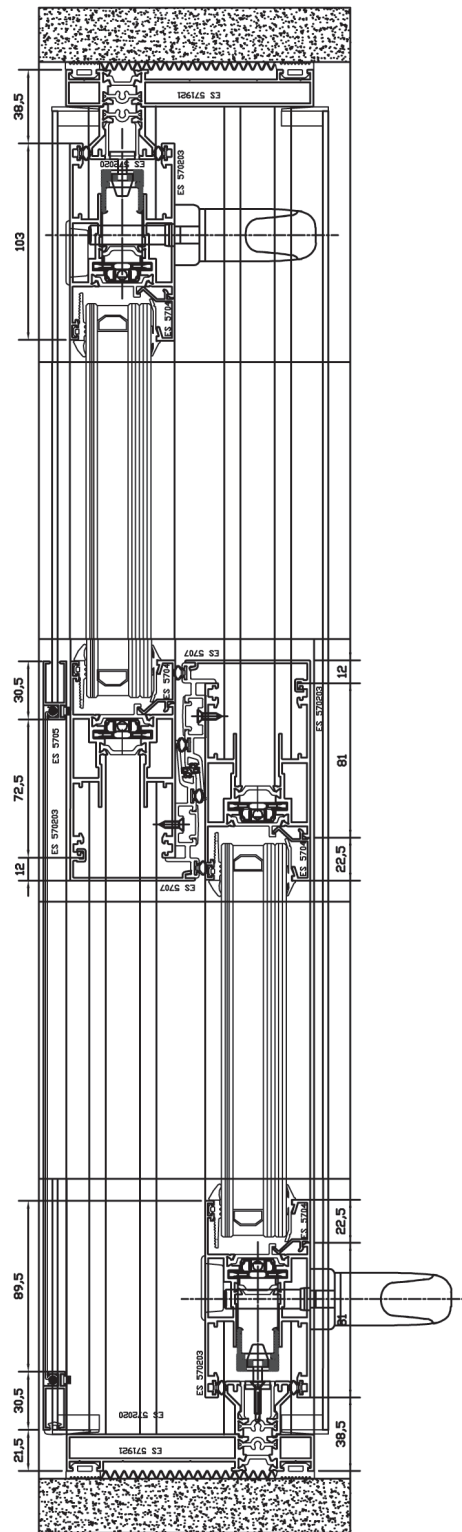
EKOS 150STH MODELS SOLUTIONS



Sezione verticale - EKOS 150STH



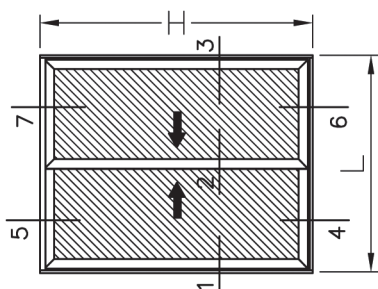
Sezione orizzontale - XO MODEL - EKOS 150STH



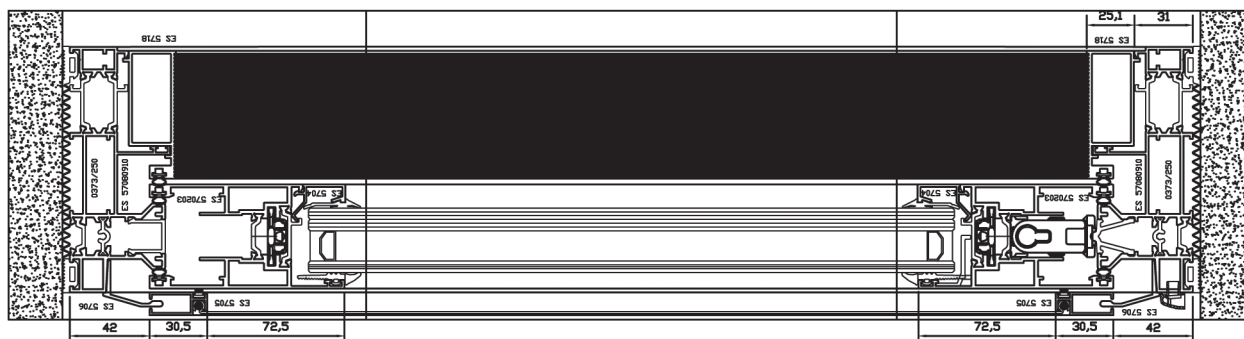
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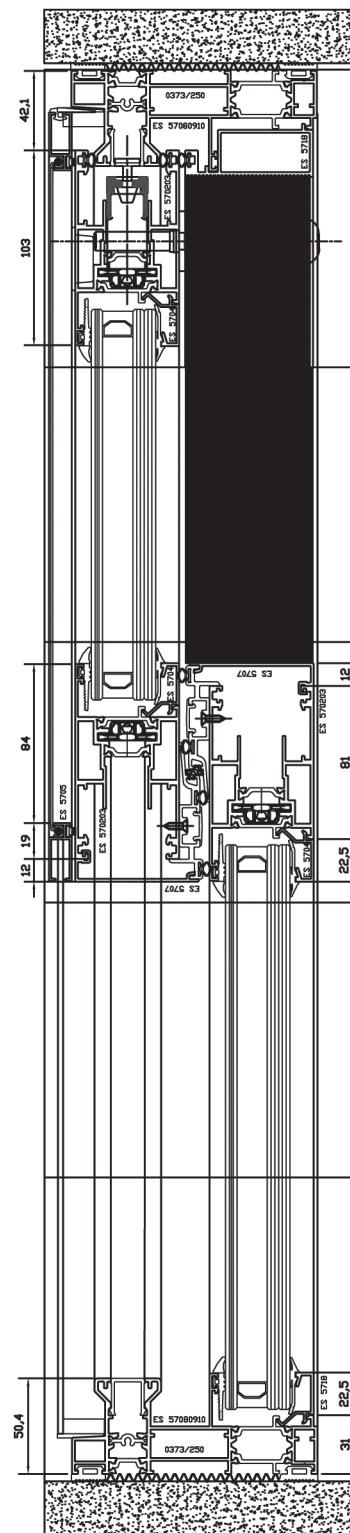
EKOS 150STH MODELS SOLUTIONS



Sezione verticale - EKOS 150STH

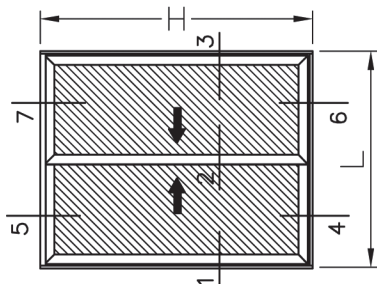


Sezione orizzontale - XO MODEL - EKOS 150STH



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EKOS 150STH MODELS SOLUTIONS

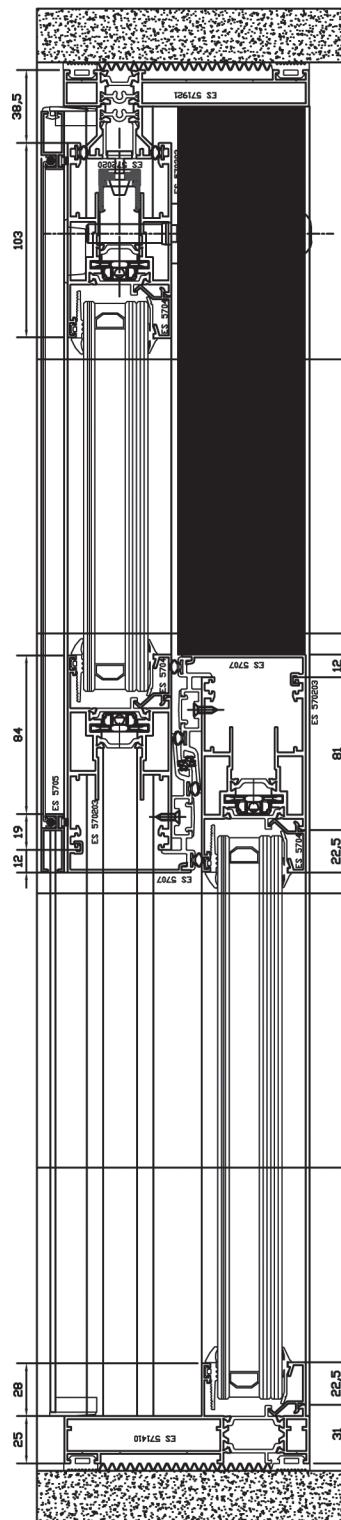


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Sezione verticale - EKOS 150STH

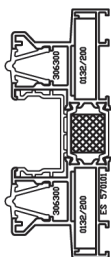
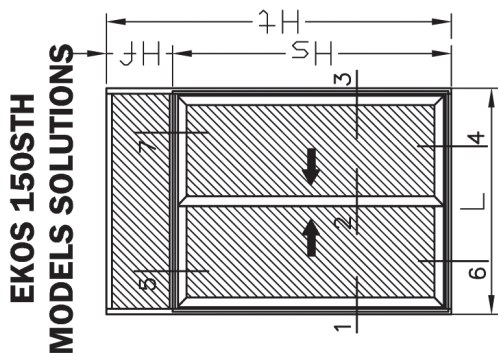


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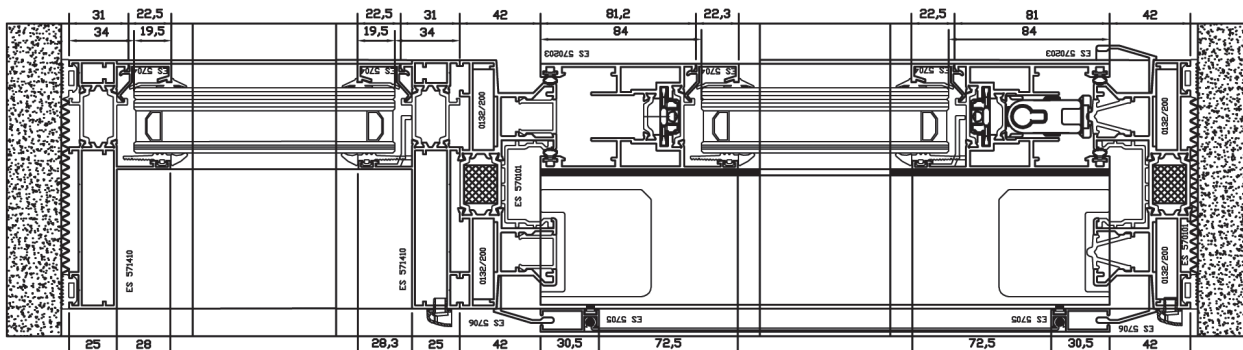


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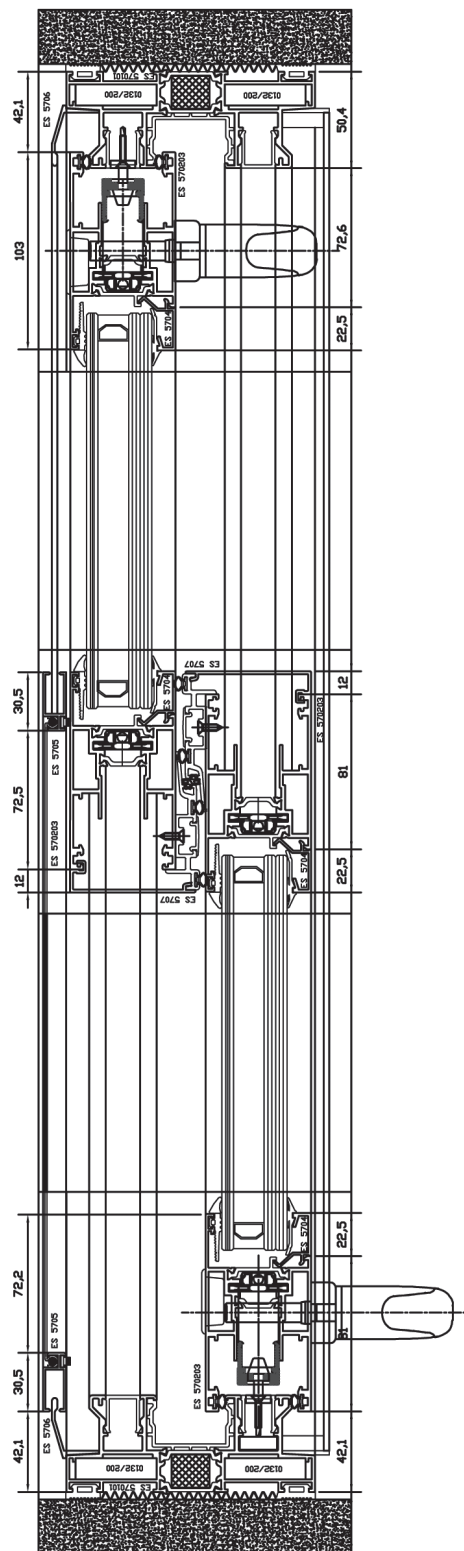
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Legg di Alluminio	AA 6063 T5



Sezione verticale - EKOS 150STH

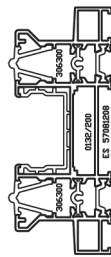
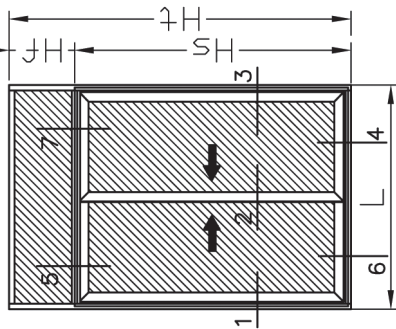


Sezione orizzontale - XO MODEL - EKOS 150STH

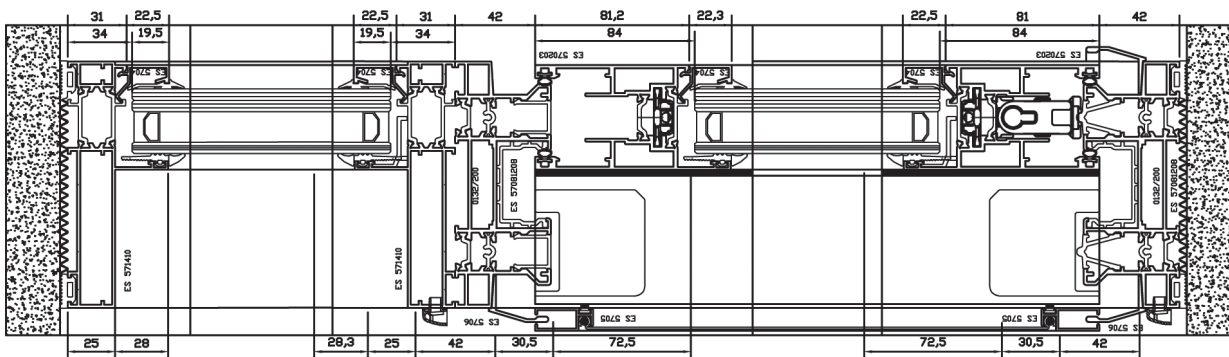


CAPITOLATI TECNICI

EKOS 150STH MODELS SOLUTIONS

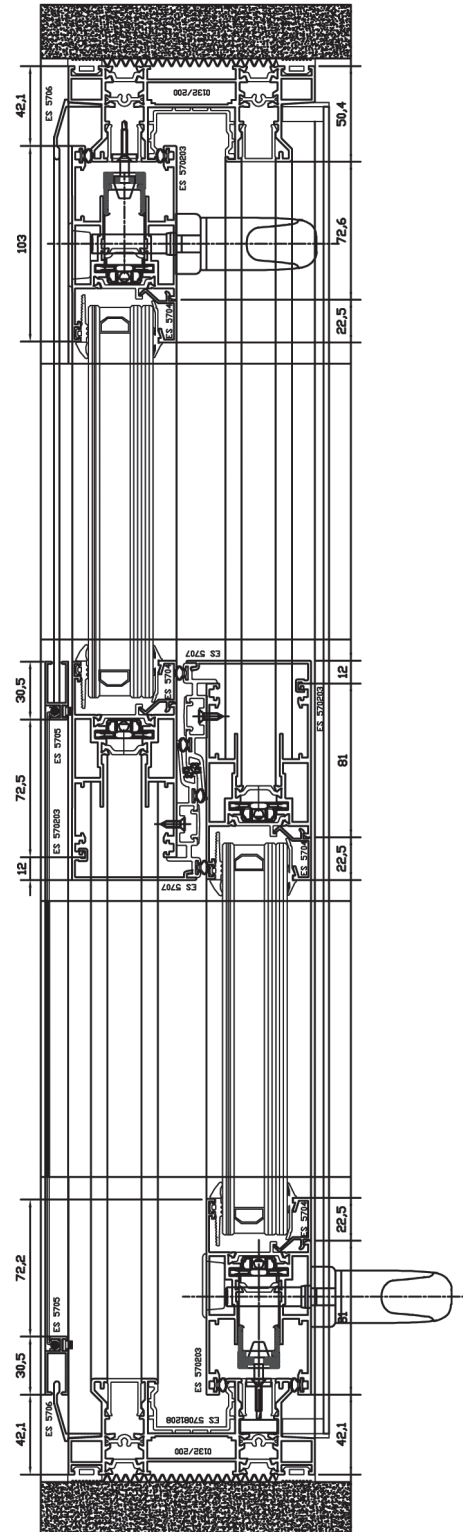


Sezione verticale - EKOS 150STH



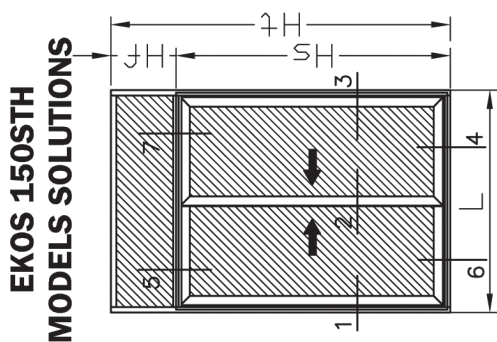
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Legra di Alluminio	AA 6063 T5

Sezione orizzontale - XO MODEL - EKOS 150STH

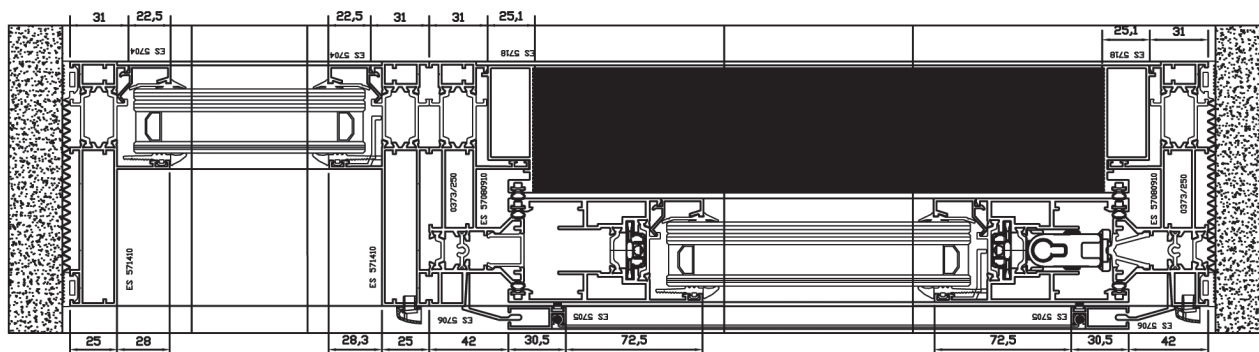


CAPITOLATI TECNICI

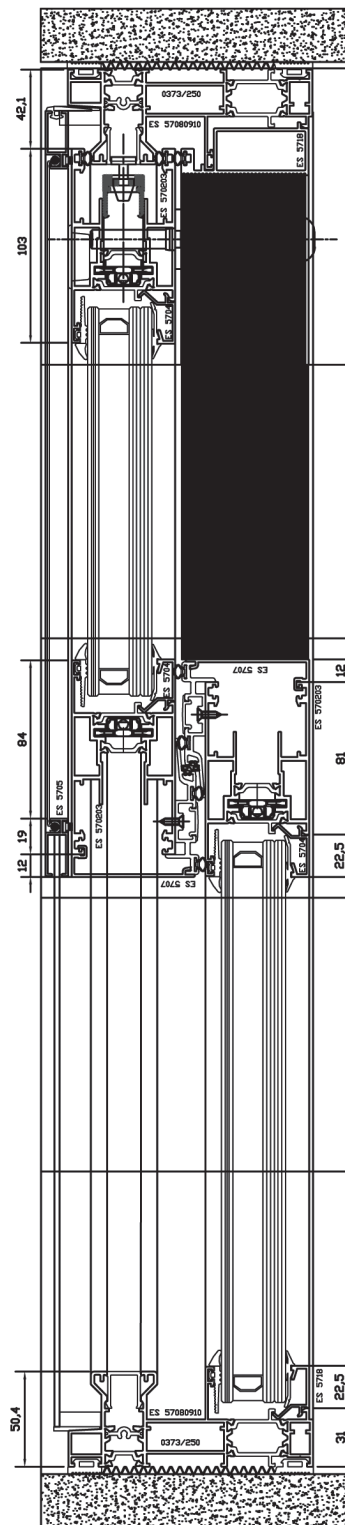
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Sezione verticale - EKOS 150STH

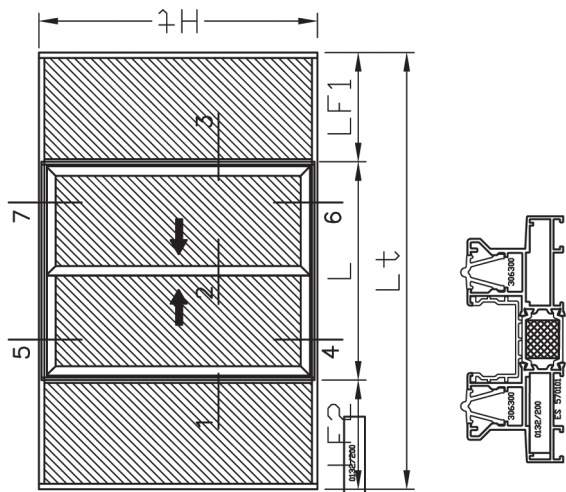


Sezione orizzontale - XO MODEL - EKOS 150STH



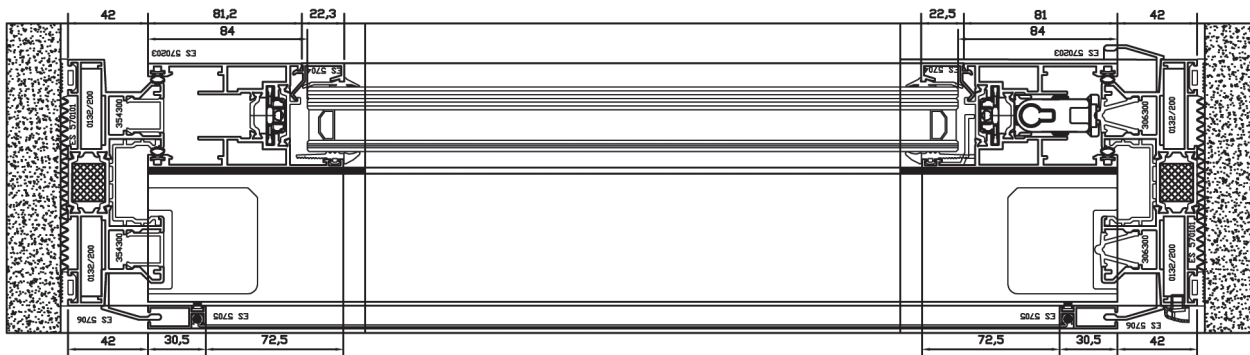
CAPITOLATI TECNICI

EKOS 150STH - MODELS SOLUTIONS

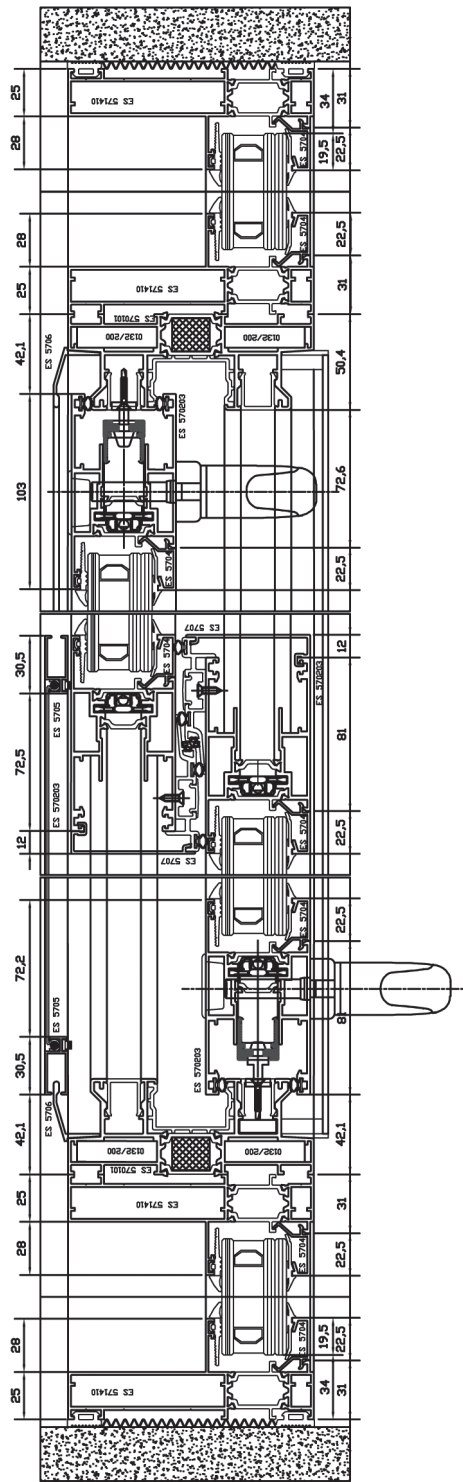


ALUMINIUM PROFILES SYSTEM FOR SLIDING WINDOWS AND DOORS	
Dimensioni e Descrizione del sistema	
Profondità telaio fisso:	130 mm
Profondità telaio anta:	55 mm
Sistema di tenuta:	Con doppio spazzolino/guarnizioni scorrevoli
Dimensione sezioni:::	146-116 mm
Chiusure:	Multipunto
GLAZING:	46 mm
Lega di Alluminio	AA 6063 T5

Sezione verticale - EKOS 150STH



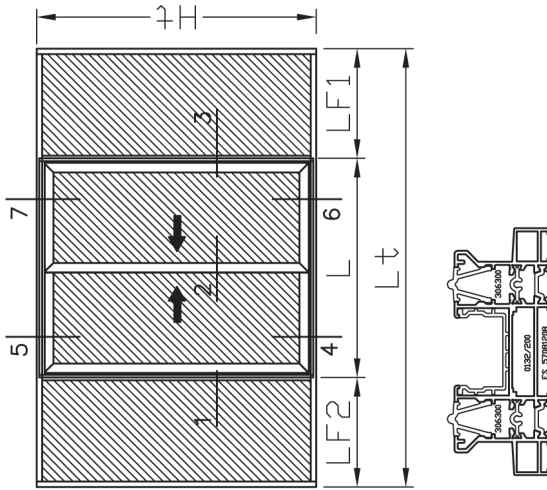
Sezione orizzontale - XO MODEL - EKOS 150STH



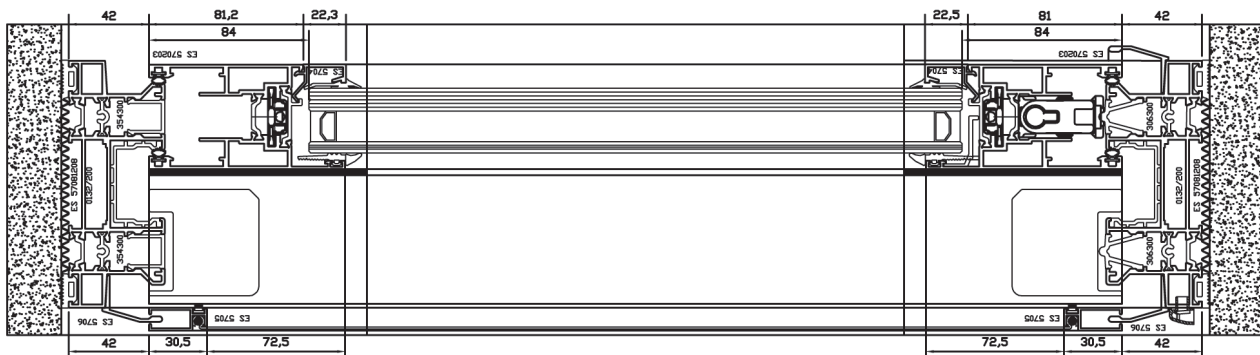
CAPITOLATI TECNICI

EKOS 150STH - MODELS SOLUTIONS

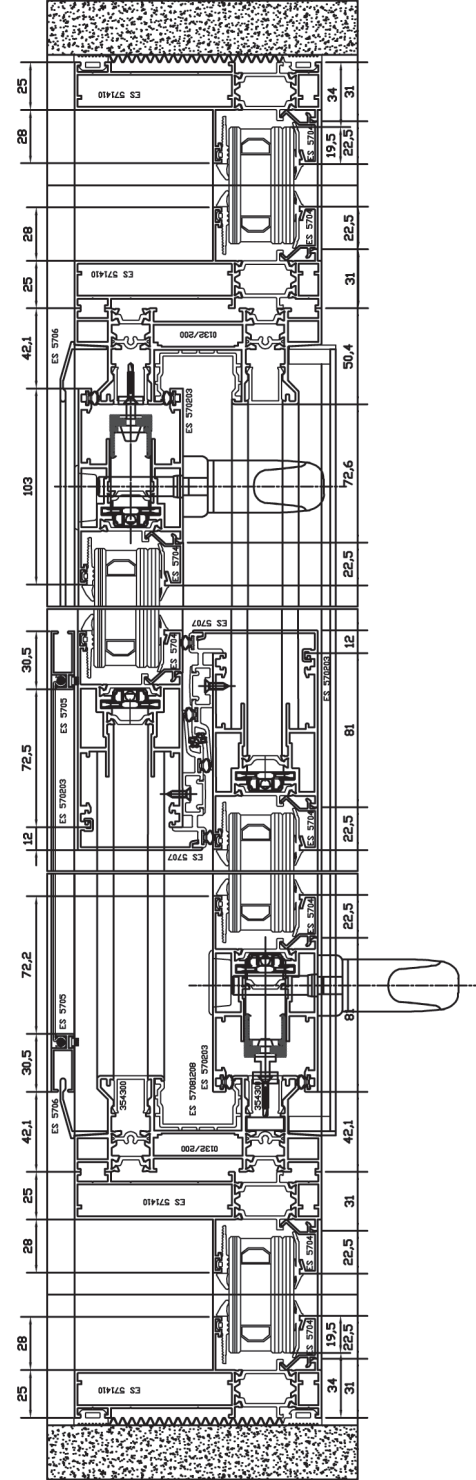
ALUMINIUM PROFILES SYSTEM FOR SLIDING WINDOWS AND DOORS	
Dimensioni e Descrizione del sistema	
Profondità telaio fisso:	130 mm
Profondità telaio anta:	55 mm
Sistema di tenuta:	Con doppio spazzolino/guarnizioni scorrevoli
Dimansione sezioni::	146-116 mm
Chiusure:	Multipunto
GLAZING:	46 mm
Lega di Alluminio	AA 6063 T5



Sezione verticale - EKOS 150STH

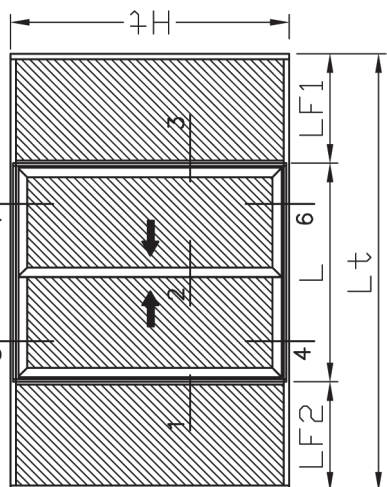


Sezione orizzontale - XO MODEL - EKOS 150STH



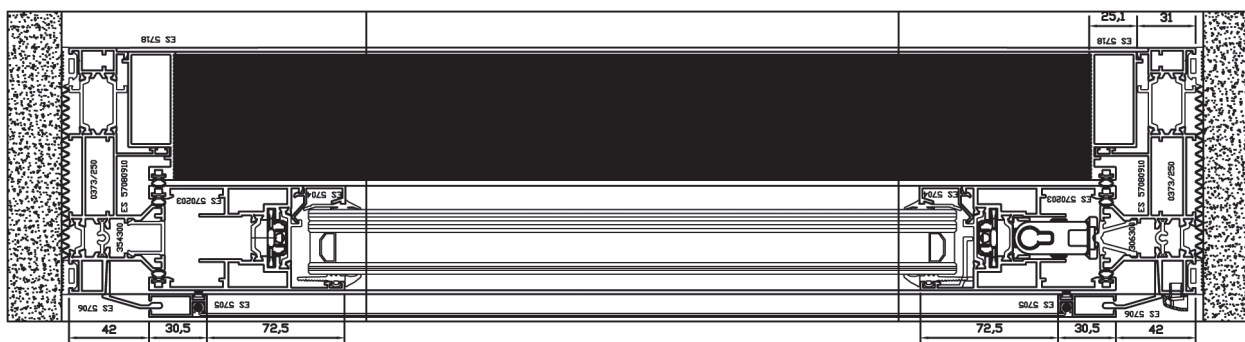
CAPITOLATI TECNICI

EKOS 150STH - MODELS SOLUTIONS

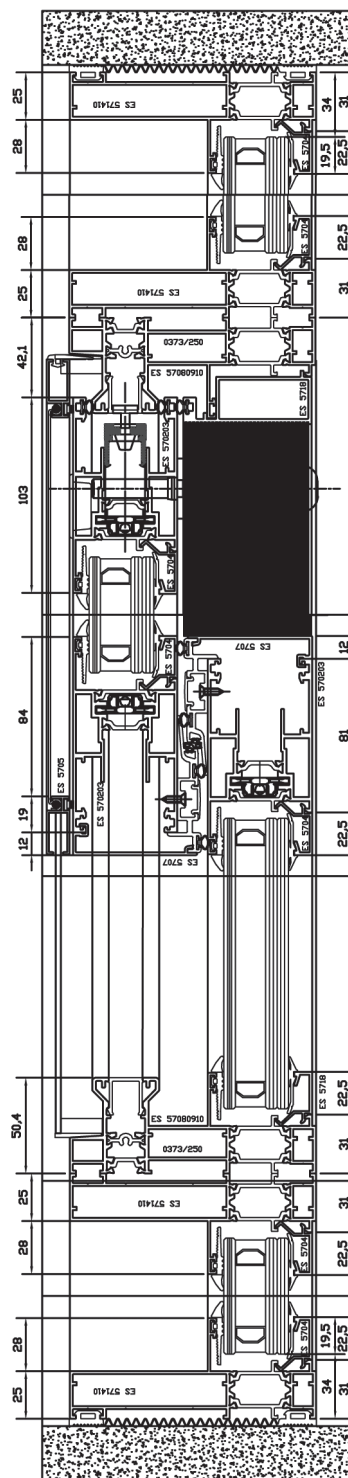


ALUMINIUM PROFILES SYSTEM FOR SLIDING WINDOWS AND DOORS	
Dimensioni e Descrizione del sistema	
Profondità telaio fisso:	130 mm
Profondità telaio anta:	55 mm
Sistema di tenuta:	Con doppio spazzolino/guarnizioni scorrevoli
Dimansione sezioni:::	146-116 mm
Chiusure:	Multipunto
GLAZING:	46 mm
Lega di Alluminio	AA 6063 T5

Sezione verticale - EKOS 150STH



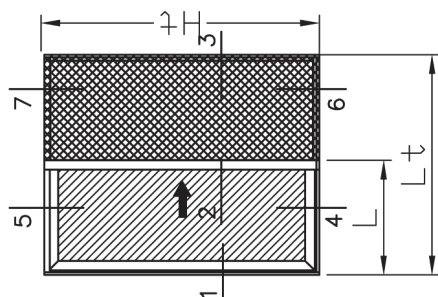
Sezione orizzontale - XO MODEL - EKOS 150STH



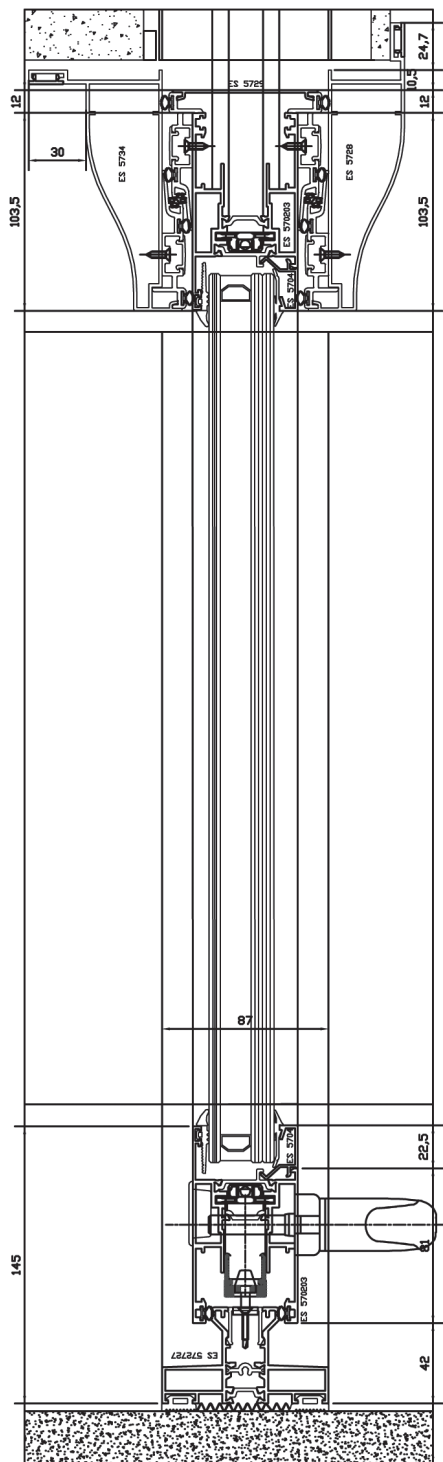
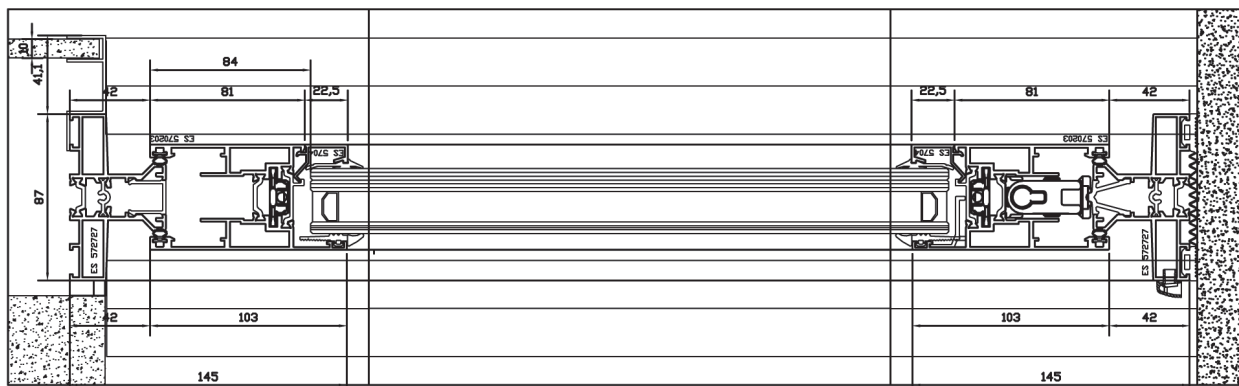
CAPITOLATI TECNICI

EKOS 150STH - MODELS SOLUTIONS

ALUMINIUM PROFILES SYSTEM FOR SLIDING WINDOWS AND DOORS	
Dimensioni e Descrizione del sistema	87 mm
Profondità telaio fisso:	55 mm
Profondità telaio anta:	Con doppio spazzolino/guarnizioni scorrevoli 145-111 mm
Sistema di tenuta:	Multipunto
Dimensione sezioni::	46 mm
Chiusure:	AA 6063 T5
GLAZING:	
Lega di Alluminio	



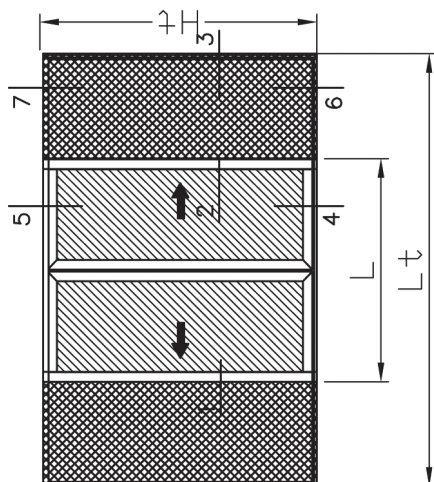
Sezione verticale - EKOS 150STH



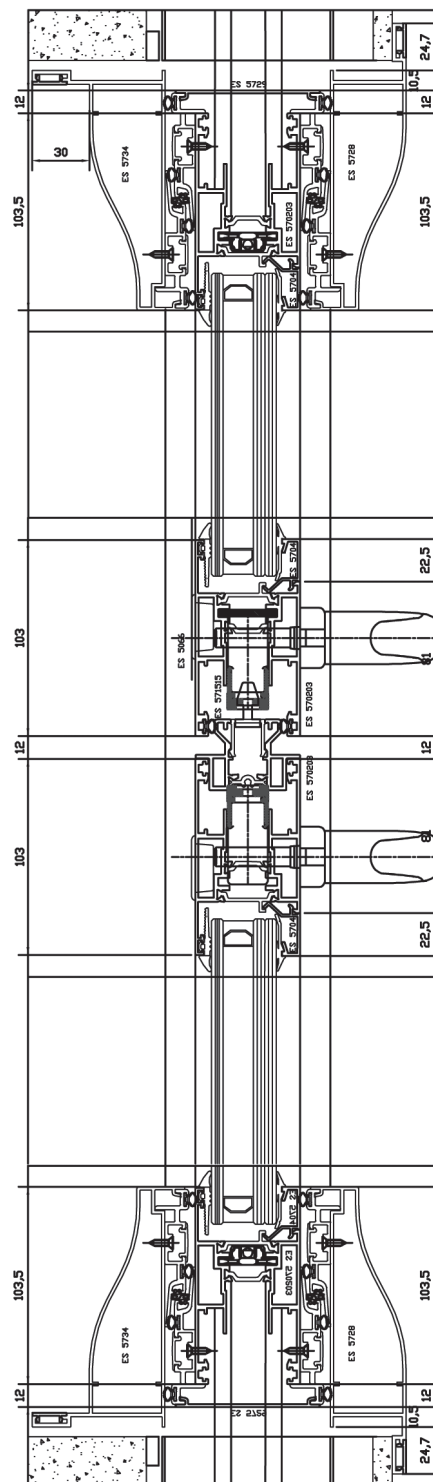
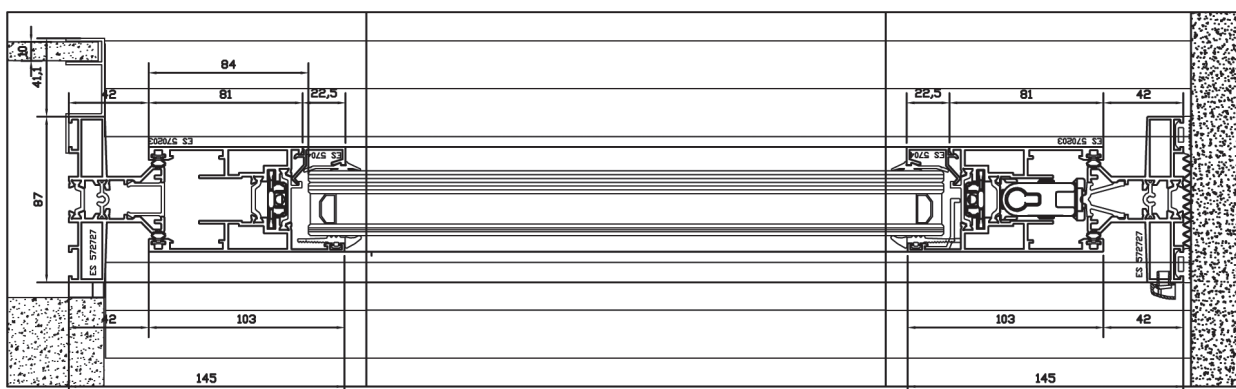
CAPITOLATI TECNICI

ALUMINIUM PROFILES SYSTEM FOR SLIDING WINDOWS AND DOORS	
Dimensioni e Descrizione del sistema	
Profondità telaio fisso:	87 mm
Profondità telaio anta:	55 mm
Sistema di tenuta:	Con doppio spazzolino/guarnizioni scorrevoli
Dimensione sezioni::	213-111 mm
Chiusure:	Multipunto
GLAZING:	46 mm
Lega di Alluminio	AA 6063 T5

EKOS 150STH - MODELS SOLUTIONS



Sezione verticale - EKOS 150STH



TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



PRESTAZIONI DEL SISTEMA

SYSTEM PERFORMANCES

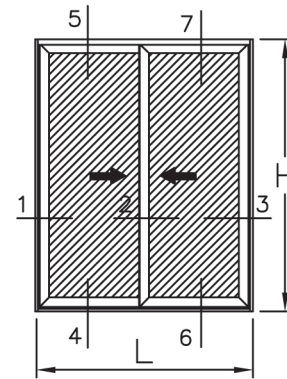
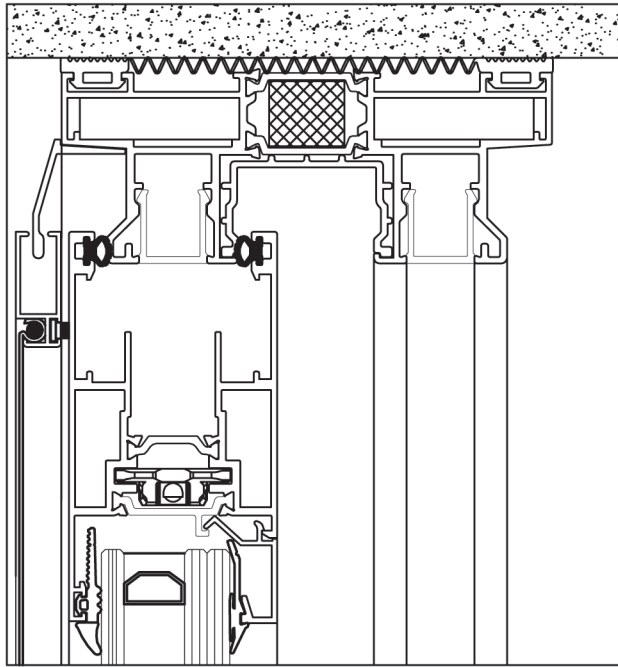
PERFORMANCES DU SYSTEME

EKOS
ALUMINIUM COLLECTION

PRESTAZIONI TERMINE

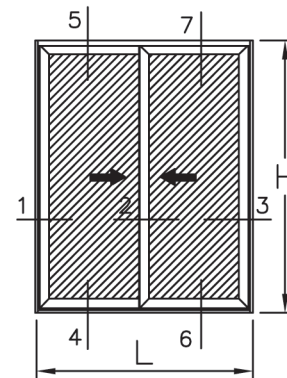
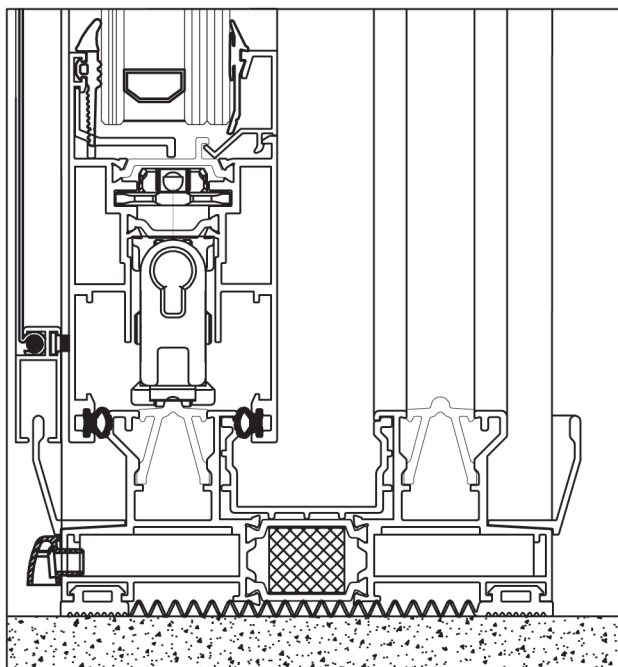
FRAMES THERMAL CONDUCTIVITY $U_{Frame} = \dots\dots\dots W/(m^2 \cdot K)$

For the calculation of the thermal performances of the finish components please use our EXCELL calculation tools.
 Pour le calcul des performances thermiques des chassis finis nous vous prions d'utiliser nos fichiers EXCELL.
 Per il calcolo della trasmittanza degli infissi finiti utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.



FRAMES THERMAL CONDUCTIVITY $U_{Frame} = \dots\dots\dots W/(m^2 \cdot K)$

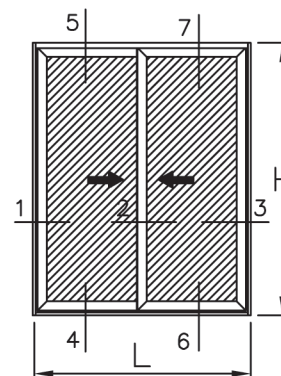
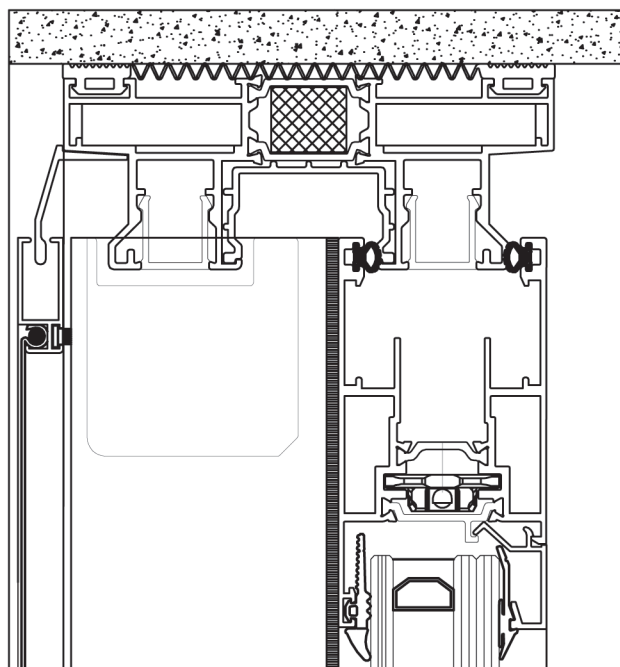
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PRESTAZIONI TERMINE

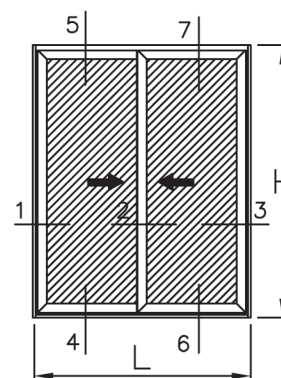
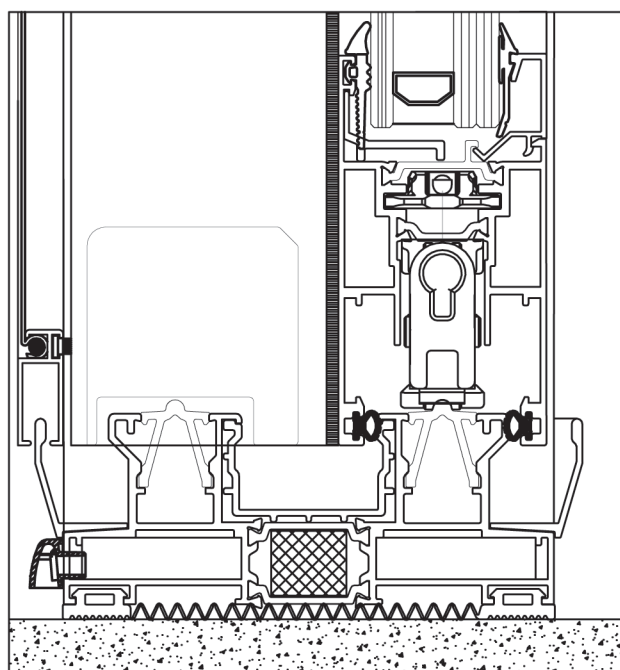
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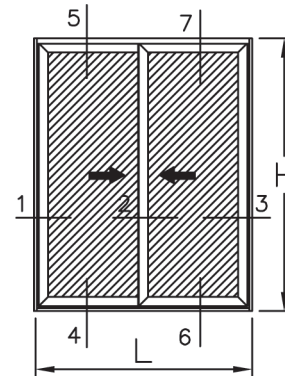
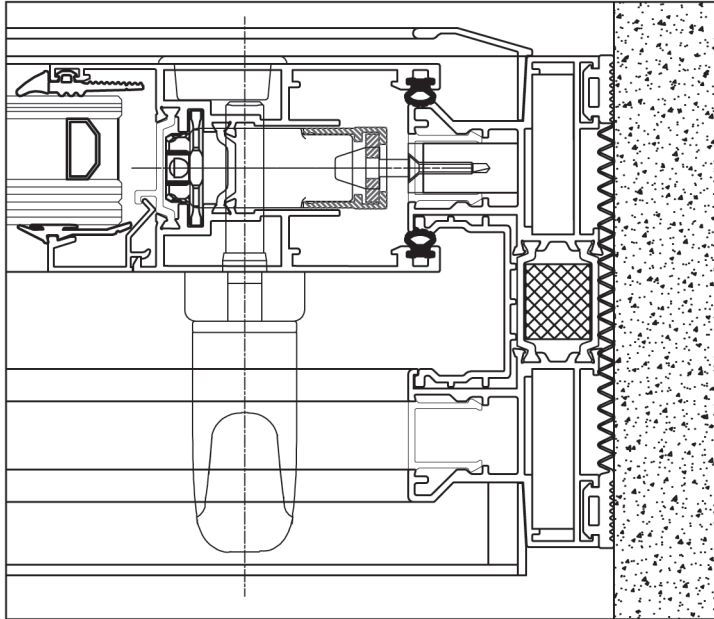


PRESTAZIONI TERMINE

FRAMES THERMAL CONDUCTIVITY

$$U_{Frame} = \dots\dots\dots W/(m^2.K)$$

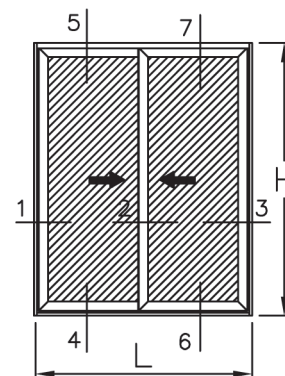
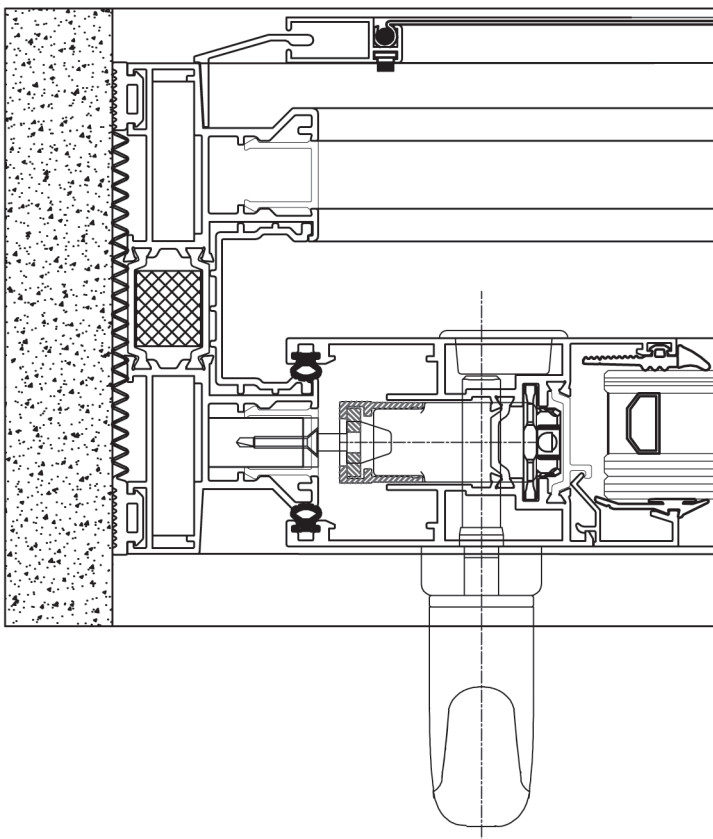
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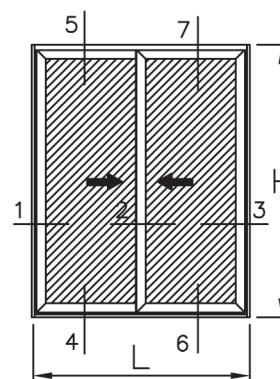
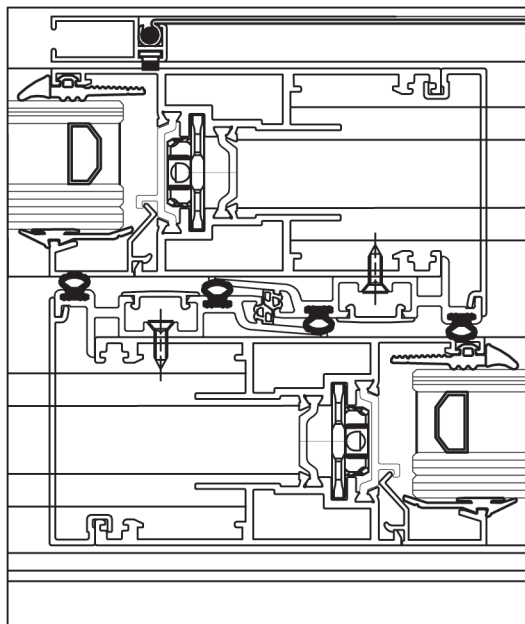
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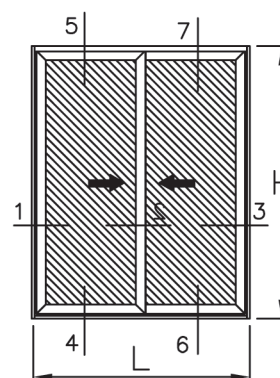
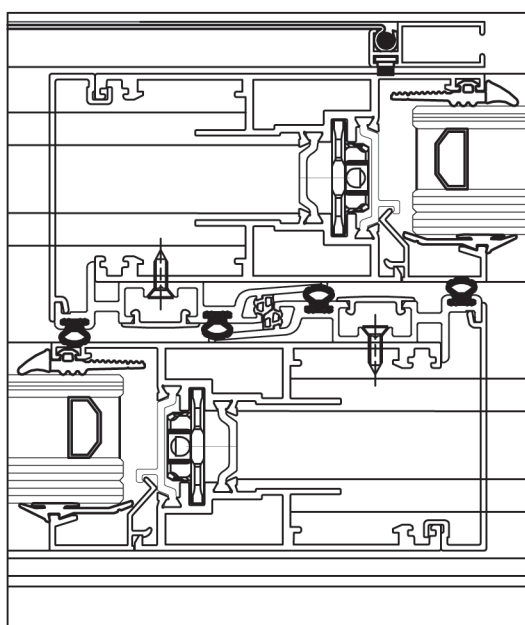
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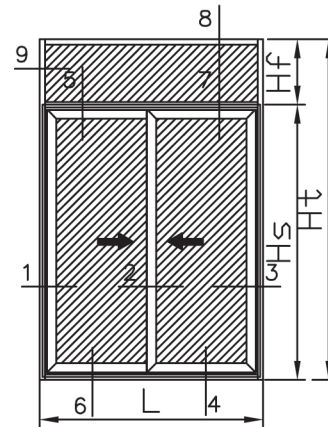
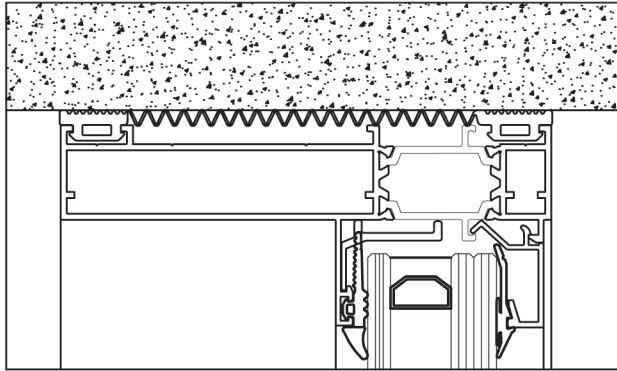
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PRESTAZIONI TERMINE

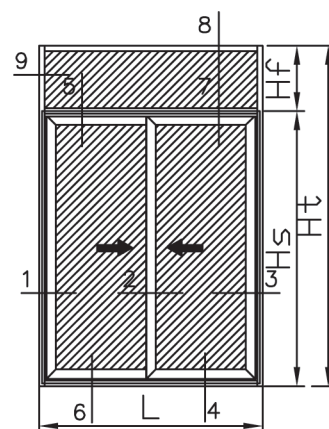
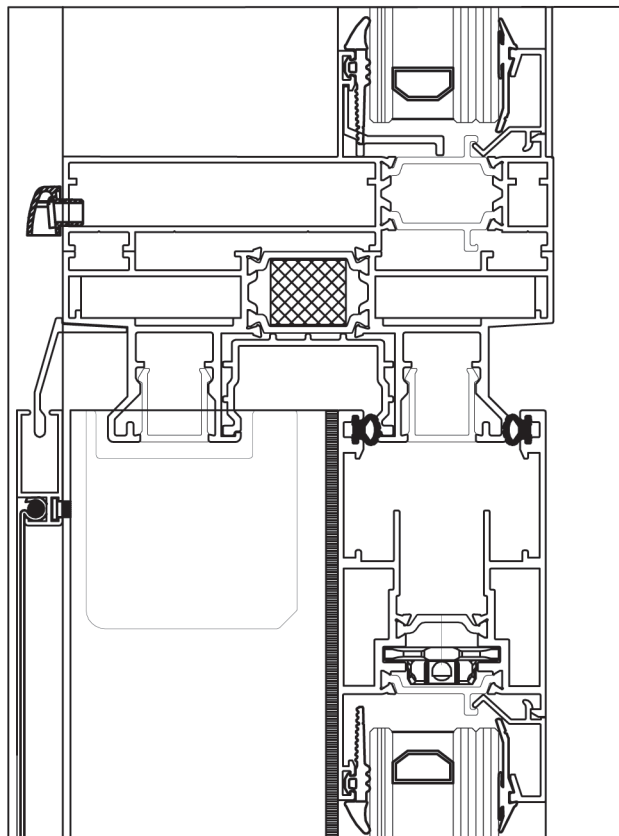
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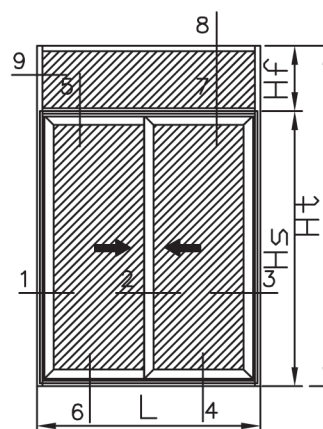
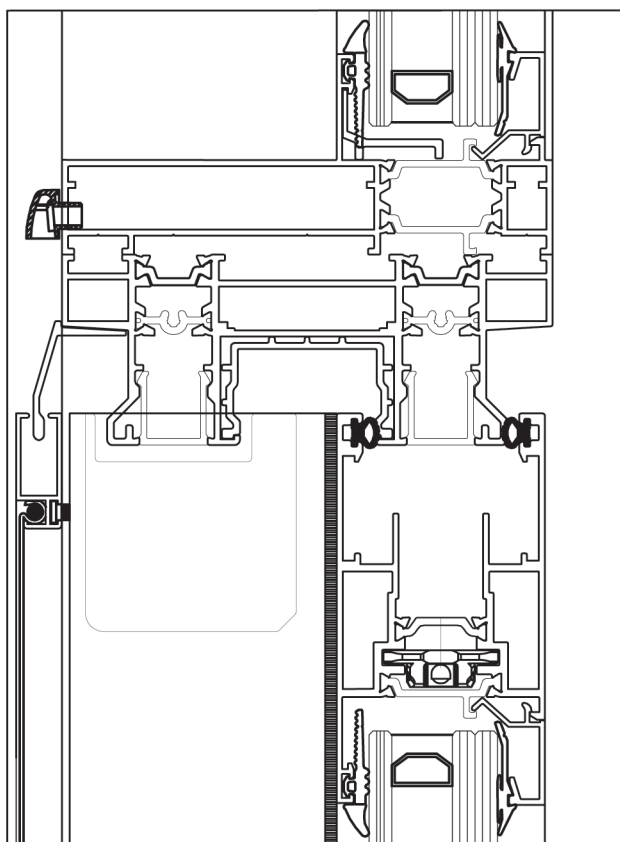
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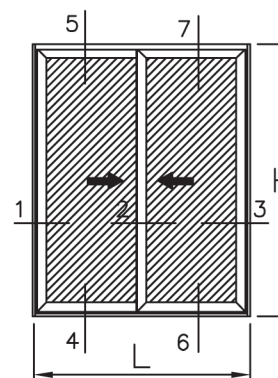
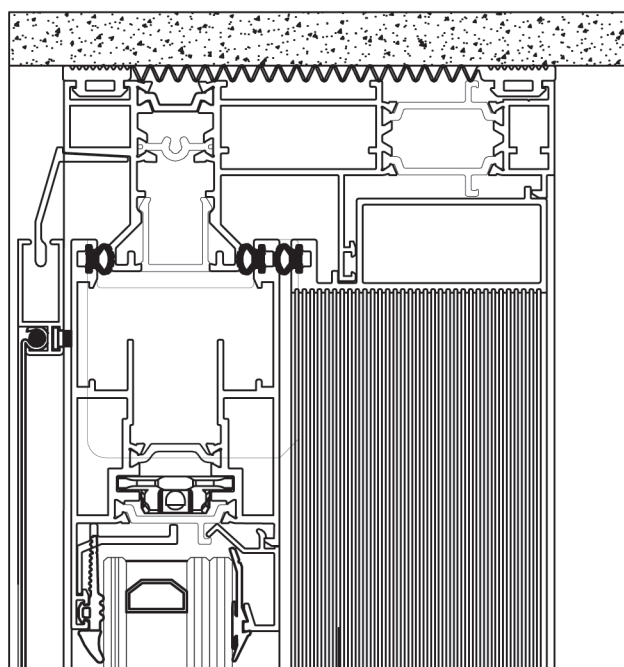
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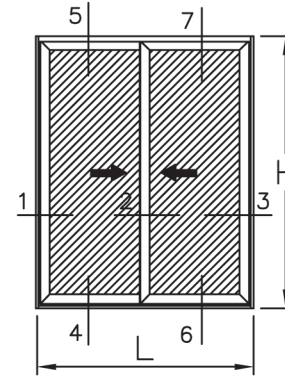
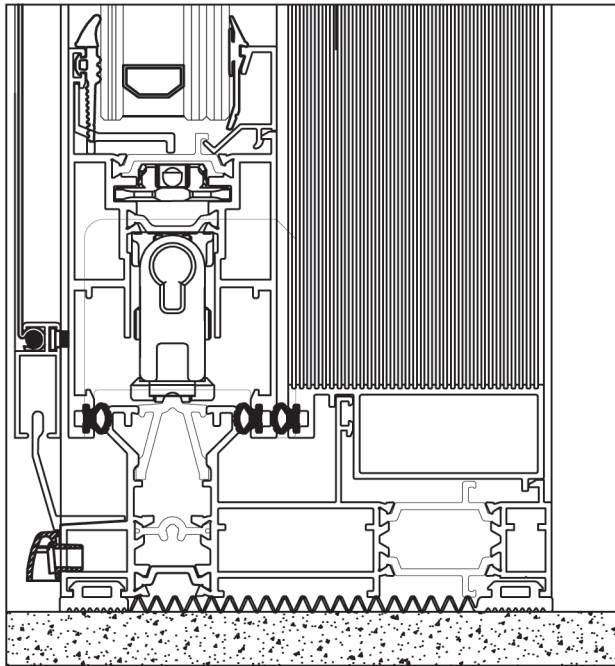
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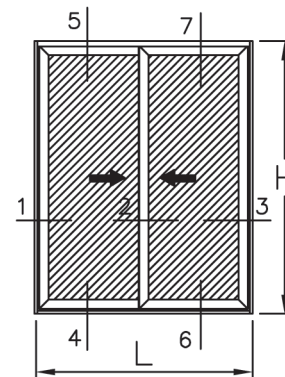
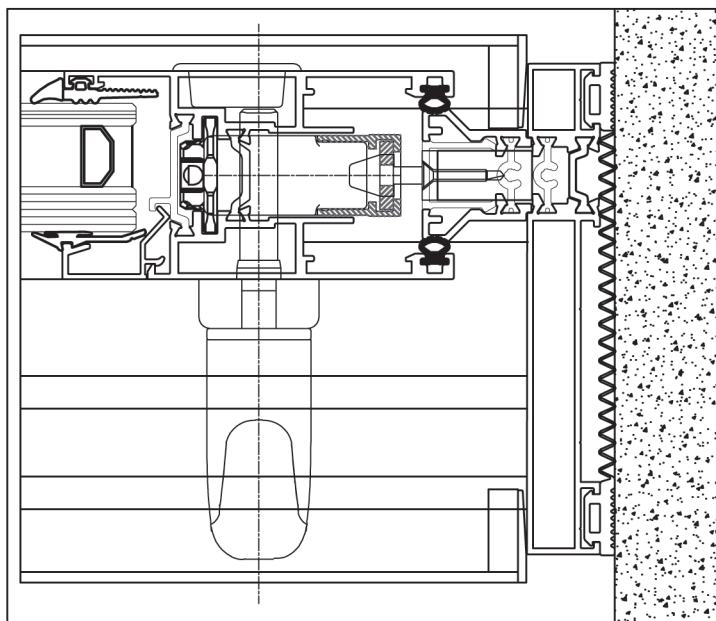
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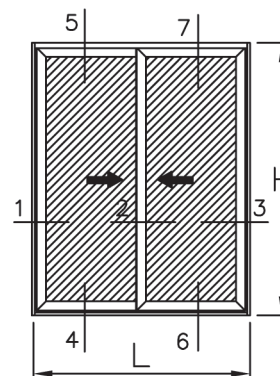
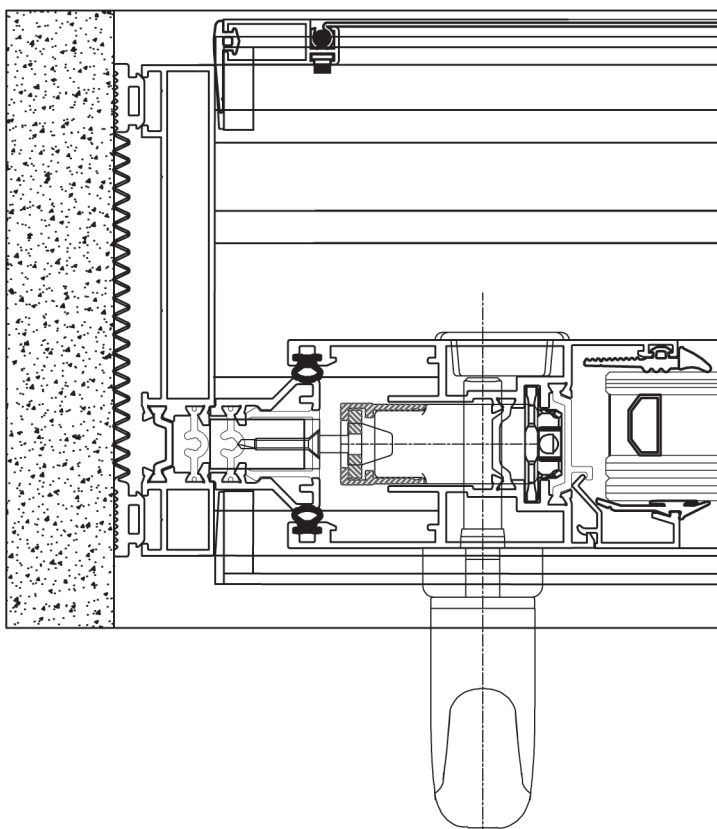
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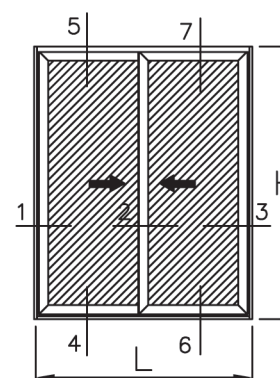
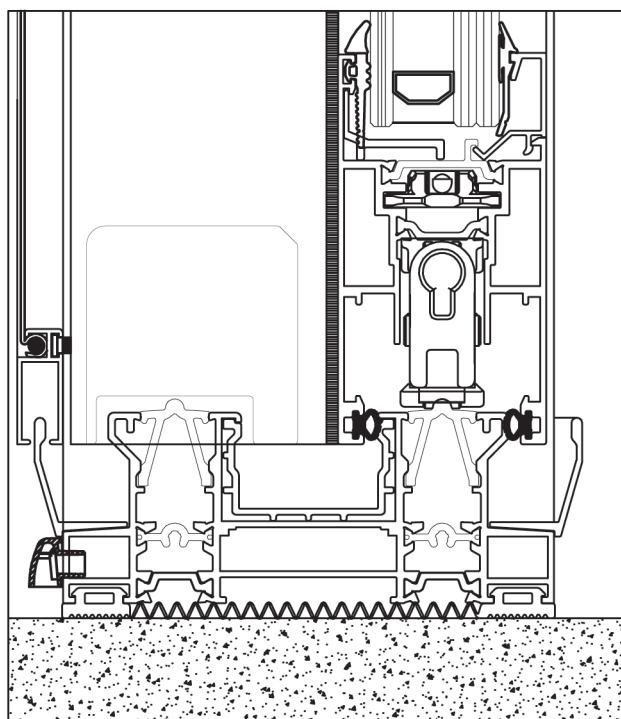
FRAMES THERMAL CONDUCTIVITY $U_{Frame} = \dots\dots\dots W/(m^2 \cdot K)$

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FRAMES THERMAL CONDUCTIVITY $U_{Frame} = \dots\dots\dots W/(m^2 \cdot K)$

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TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



DIMENSIONI LIMITE E TABELLE DI CARICO

SIZES LIMITS AND LOADING TABLES

LIMITES D'EMPLOI ET DIAGRAMMES

EKOS
ALUMINIUM COLLECTION

LIMITI D'IMPIEGO

LIMITI DI IMPIEGO CON CARRELLI DA 80 kg
SIZES LIMITS WITH ROLLERS FOR 80 Kg
LIMITES D'EMPLOI AVEC PATINS 80 Kg

Calculation of the approximate sash weight for XO models:

Sash total weight = $((L/2-0.009) \times 1.8\text{kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/2-0.140) \times (H - 0.219)$

Calculation of the approximate sash weight for XOX and OXO models:

Sash total weight = $((L/3+0.018) \times 1.8\text{kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/3 - 0.113) \times (H - 0.219)$

Calculation of the approximate sash weight for XOOX and OXXO models

Sash total weight = $((L/4+0.012) \times 1.8 \text{ kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/4-0.119) \times (H - 0.219)$

Glass weights per square meter:

4 mm = 2.5 x 4

5 mm = 2.5 x 5

6 mm = 2.5 x 7

9 mm = 2.5 x 9

10 mm = 2.5 x 10

11 mm = 2.5 x 11

12 mm = 2.5 x 12

LIMITI D'IMPIEGO

LIMITI DI IMPIEGO CON CARRELLI DA 160 kg
SIZES LIMITS WITH ROLLERS FOR 160 Kg
LIMITES D'EMPLOI AVEC PATINS 160 Kg

Calculation of the approximate sash weight for XO models:

Sash total weight = $((L/2-0.009) \times 1.8\text{kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/2-0.140) \times (H - 0.219)$

Calculation of the approximate sash weight for XOX and OXO models:

Sash total weight = $((L/3+0.018) \times 1.8\text{kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/3 - 0.113) \times (H - 0.219)$

Calculation of the approximate sash weight for XOOX and OXXO models

Sash total weight = $((L/4+0.012) \times 1.8 \text{ kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/4-0.119) \times (H - 0.219)$

Glass weights per square meter:

4 mm = 2.5 x 4

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9 mm = 2.5 x 9

10 mm = 2.5 x 10

11 mm = 2.5 x 11

12 mm = 2.5 x 12

LIMITI D'IMPIEGO

LIMITI DI IMPIEGO CON CARRELLI DA 200 kg
SIZES LIMITS WITH ROLLERS FOR 200 Kg
LIMITES D'EMPLOI AVEC PATINS 200 Kg

Calculation of the approximate sash weight for XO models:

Sash total weight = $((L/2-0.009) \times 1.8\text{kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/2-0.140) \times (H - 0.219)$

Calculation of the approximate sash weight for XOX and OXO models:

Sash total weight = $((L/3+0.018) \times 1.8\text{kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/3 - 0.113) \times (H - 0.219)$

Calculation of the approximate sash weight for XOOX and OXXO models

Sash total weight = $((L/4+0.012) \times 1.8 \text{ kg} \times 2 + (H - 0.088) \times 2) + \text{Glazing weight } (L/4-0.119) \times (H - 0.219)$

Glass weights per square meter:

4 mm = 2.5 x 4

5 mm = 2.5 x 5

6 mm = 2.5 x 7

9 mm = 2.5 x 9

10 mm = 2.5 x 10

11 mm = 2.5 x 11

TABELLE DI CARICO

Formula :

$$Jx = 0,0186 Q \times h \times h^4 / (E \times f)$$

dove Q (carico) = $q \times L/2$

dove q = Carico del vento espresso in Kg/cm^q

E = 700000 (costante)

f (Freccia)= $H \times 1/500$ (o $1/200$ o altri valori)

ATTENZIONE: tutto deve essere espresso in Cm.

Formula :

$$Jx = 0,0186 Q \times h \times h^4 / (E \times f)$$

Where Q is the load = $q \times L/2$

Where q = Wind load expressed in Kg/Sqcm

E = 700000 (constant)

f (Flessness)= $H \times 1/500$ (or $1/200$ or others value)

ATTENTION: all units are to be in centimeters

Formule :

$$Jx = 0,0186 Q \times h \times h^4 / (E \times f)$$

ou Q c'est le poid = $q \times L/2$

ou q = c'est la pression du vent exprimeé en Kg/cm carree

E = 700000 (valeur constant)

f (Fleche)= $H \times 1/500$ (ou $1/200$ ou d'autres valeurs)

ATTENTION: Les valeurs dans les formules doivent etre en centimetres

Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.
For the calculation of the required inertia of the section please use our EXCELL calculation tools.

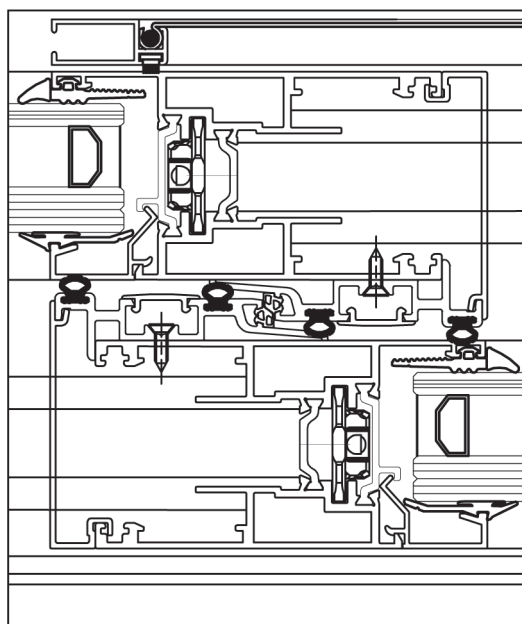


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ou q = c'est la pression du vent exprimée en Kg/cm carré

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Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

For the calculation of the required inertia of the section please use our EXCELL calculation tools.

Pour le calcule de la resistance à flession nous vous prions d'utiliser nos fichiers EXCELL.

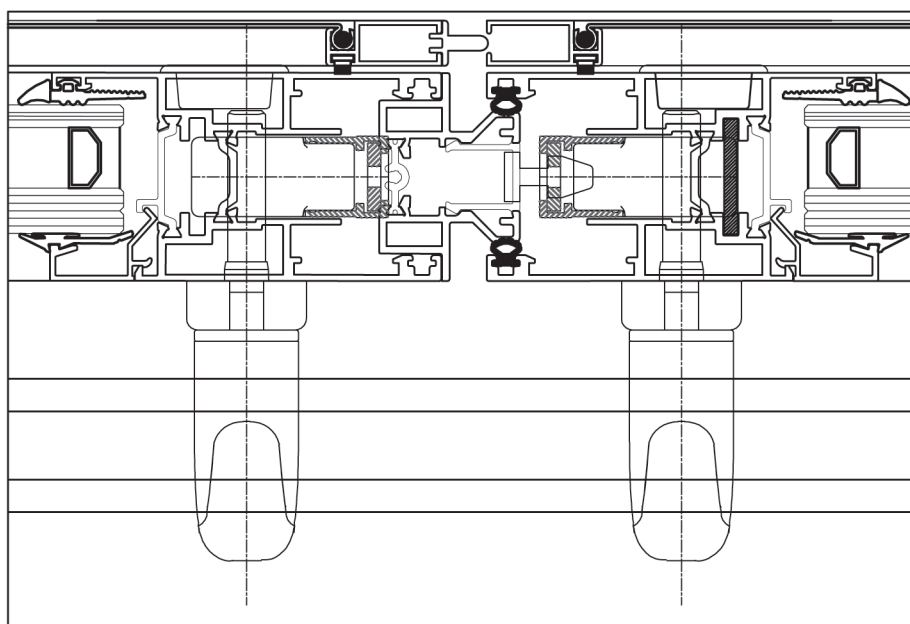


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Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

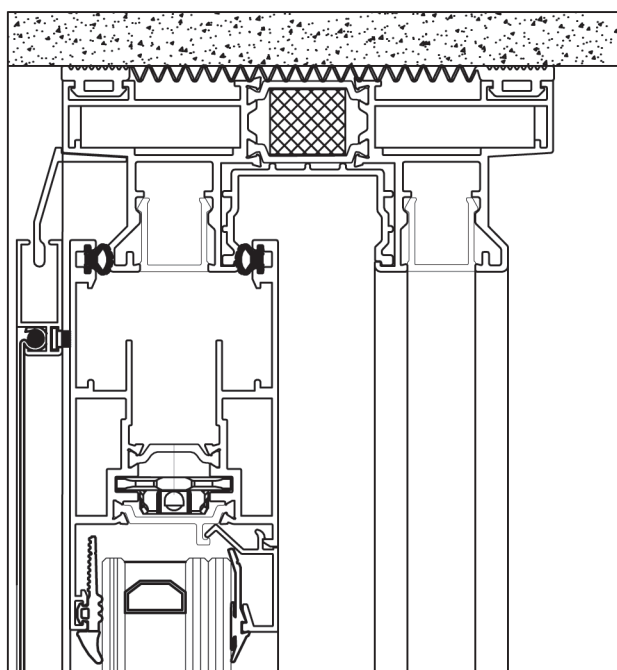


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Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

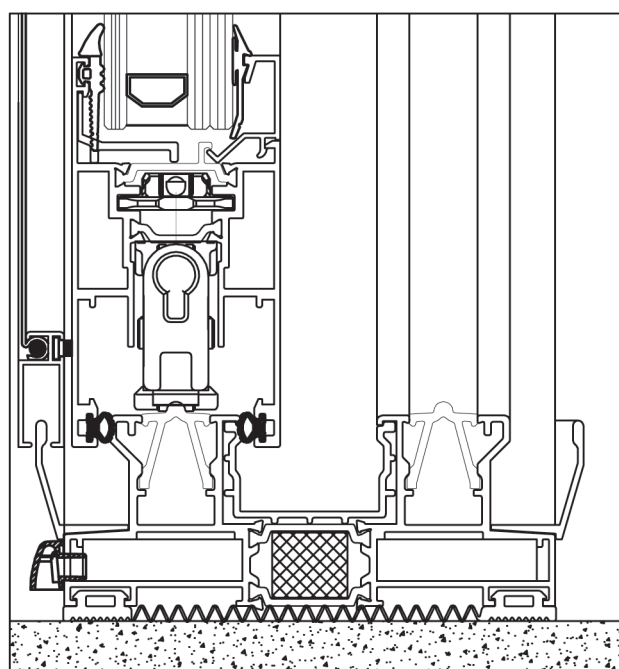


TABELLE DI CARICO

Formula :

$$Jx = 0,0186 Q \times h \times h^4 / (E \times f)$$

dove Q (carico) = $q \times L/2$

dove q = Carico del vento espresso in Kg/cm²

E = 700000 (costante)

f (Freccia)= $H \times 1/500$ (o $1/200$ o altri valori)

ATTENZIONE: tutto deve essere espresso in Cm.

Formula :

$$Jx = 0,0186 Q \times h \times h^4 / (E \times f)$$

Where Q is the load = $q \times L/2$

Where q = Wind load expressed in Kg/Sqcm

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Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

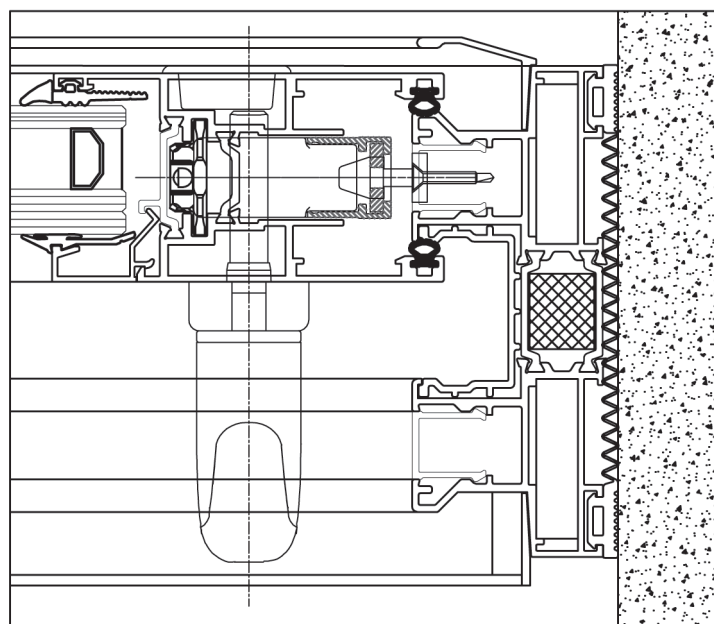


TABELLE DI CARICO

Formula :

$$Jx = 0,0186 Q \times h \times h^4 / (E \times f)$$

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Per il calcolo del valore d'inerzia utilizzare per favore gli appositi fogli di calcolo in EXCELL da noi forniti.

For the calculation of the required inertia of the section please use our EXCELL calculation tools.

Pour le calcule de la resist

; EXCELL.

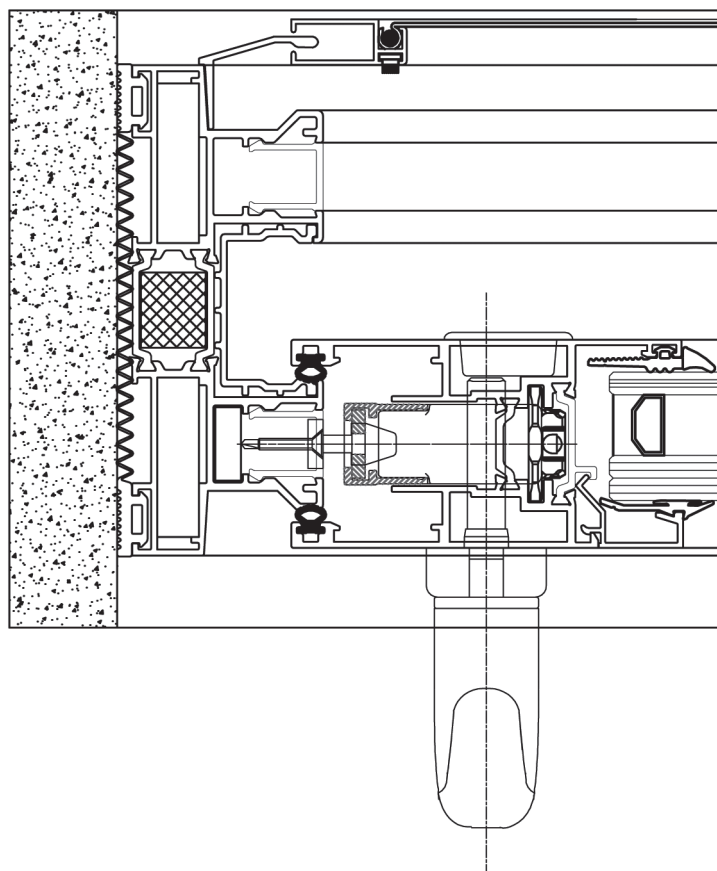


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For the calculation of the required inertia of the section please use our EXCELL calculation tools.

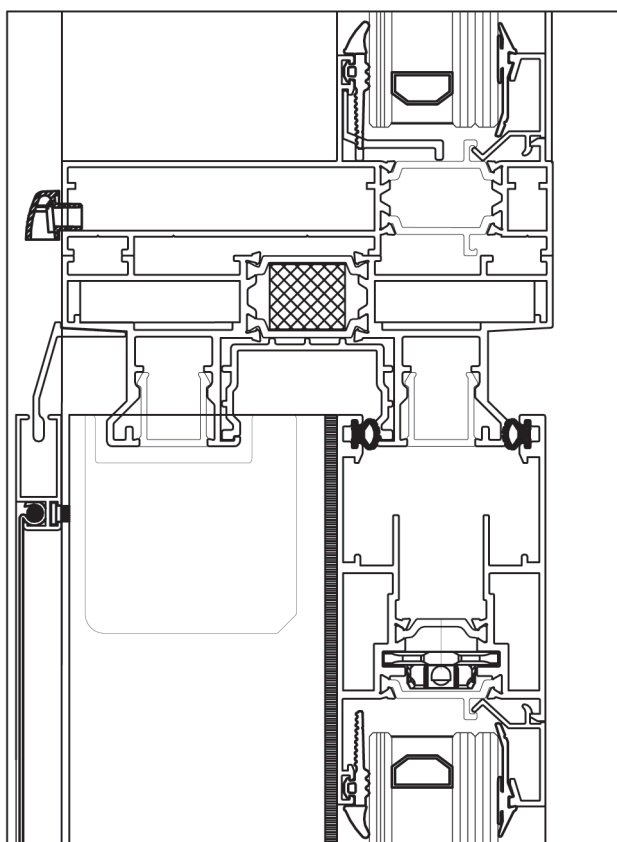


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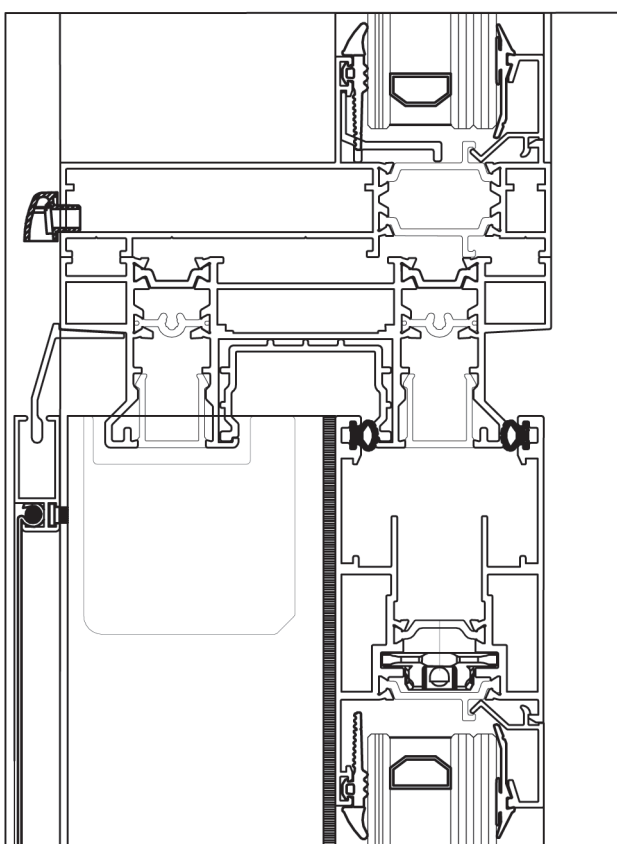
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For the calculation of the required inertia of the section please use our EXCELL calculation tools.

Pour le calcule de la resistance ... ers EXCELL.





SAGOMARIO PROFILI

PROFILES DATA SHEETS

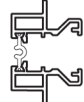

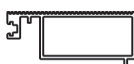



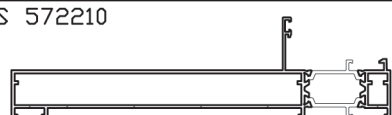



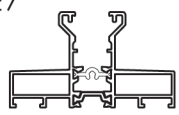
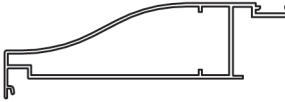
FICHES TECHNIQUES DES PROFILS

EKOS
ALUMINIUM COLLECTION


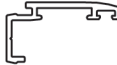
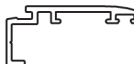
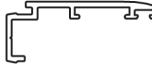
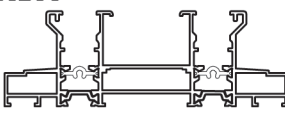
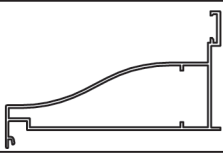
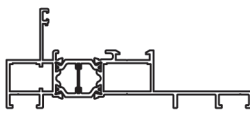

SCHEDE TECNICHE PROFILI

CODE CODE CODICE	SHAPE SILHOUETTE SAGOMA	WEIGHT Kg/m	DESCRIPTION DESCRIPTIF DESCRIZIONE	P.E. mm	V. P. mm	Fiche Fiche Scheda	Jxx	Wxx
							cm ⁴	cm ³
							Jyy	Wyy
							cm ⁴	cm ³
ES 570101		2.410 190 334 228	Transom 2 tracks (Type 1) Traverse 2 rails (Type 1) Traverso 2 vie (Tipo 1)					
ES 57011301		3.548 380 501 342	Transom 3 tracks (Type 1) Traverse 3 rails (Type 1) Traverso 3 vie (Tipo 1)					
ES 570203		1.994 188 000 000	Profil for 45° sash cutting Vantail pour coupe à 45° Anta per taglio 45°					
ES 5704		0.232 000 000 000	Glass bead (41 mm) Parclose (41 mm) Fermavetro (41 mm)					
ES 5066		0.255 000 000 000	Mosquito screen Moustiquaire Zanzariera					
ES 5706		0.242 000 000 000	Water holder Recouperateur d'eaux Gocciolatoio					
ES 5707		0.381 000 000 000	Central interlock profile Profil centrale Riporto centrale					
ES 57080910		2.212 360 167 114	Transom 2 tracks (1 fix) Traverse 2 rails (1 fixe) Traverso 2 vie (1 fisso)					
ES 57081208		2.620 280 334 228	Transom 2 tracks (Type 2) Traverse 2 rails (Type 2) Traverso 2 vie (Tipo 2)					
ES 5708120910		3.486 500 334 228	Transom 3 tracks (1 fix) Traverse 3 rails (1 fixe) Traverso 3 vie (1 fisso)					
ES 5708121208		3.937 420 501 342	Transom 3 tracks (Type 2) Traverse 3 rails (Type 2) Traverso 3 vie (Tipo 2)					
ES 571410		1.594 220 000 000	Mullion 2 tracks Mullion 2 rails Montante 2 vie					

SCHEDE TECNICHE PROFILI

CODE CODE CODICE	SHAPE SILQUETTE SAGOMA	WEIGHT Kg/m	DESCRIPTION DESCRIPTIF DESCRIZIONE	P.E. mm	V. P. mm	Fiche Fiche Scheda	Jxx	Wxx
							cm ⁴	cm ³
							Jyy	Wyy
							cm ⁴	cm ³
ES 571515		1.034 070 000 114	4 Sash interlock Profil pour 4 vantaux Riporto 4 ante					
ES 571617		1.116 220 000 000	Muntin Traverse Traverso					
ES 5718		0.946 000 000 000	Transit profile Profil de passage Profilo di transito					
ES 571921		1.498 140 000 000	0Mullion 2 tracks 90° Mullion 2 rails 90° Montante 2 vie 90°					
ES 571923		2.208 140 000 000	Mullion 3 tracks 90° Mullion 3 rails 90° Montante 3 vie 90°					
ES 572020		0.520 070 000 114	Side latching profile Profil pour fermeture Chiusura laterale					
ES 572210		2.206 220 000 000	Mullion 3 tracks (1 fix) Mullion 3 rails (1 fixe) Montante 3 vie (1 fisso)					
ES 5724		0.275 000 000 000	Glass bead (31 mm) Parclose (31 mm) Fermavetro (31 mm)					
ES 5725		0.255 000 000 000	Glass bead (35 mm) Parclose (35 mm) Fermavetro (35 mm)					
ES 5726		0.215 000 000 000	Glass bead (46 mm) Parclose (46 mm) Fermavetro (46 mm)					
ES 572727		1.652 140 167 114	Concelead sash rail Dormant pour galandage Binario per mono-rotai					
ES 5728		1.730 000 000 000	Concelead interlock profile Fermeture pour galandage Chiusura per mono-rotai					

SCHEDE TECNICHE PROFILI

CODE CODE CODICE	SHAPE SILOUETTE SAGOMA	WEIGHT Kg/m	DESCRIPTION DESCRIPTIF DESCRIZIONE	P.E. mm	V. P. mm	Fiche Fiche Scheda	Jxx	Wxx
							cm ⁴	cm ³
							Jyy	Wyy
							cm ⁴	cm ³
ES 5729		0.345 000 000 000	Central interlock profile Profil centrale Riporto centrale					
ES 5730		0.221 000 000 000	Wall overlap 25 mm Feuillure 25 mm Battuta 25 mm					
ES 5731		0.253 000 000 000	Wall overlap 30 mm Feuillure 30 mm Battuta 30 mm					
ES 5732		0.274 000 000 000	Wall overlap 35 mm Feuillure 35 mm Battuta 35 mm					
ES 57331233		2.830 280 334 228	Transom 2 tracks (150 mm) Traverse 2 rails (150 mm) Traverso 2 vie (150 mm)					
ES 5734		1.731 000 000 000	Concealed interlock profile Fermeture pour galandage Chiusura per mono-rotaia					
ES 5641642		1.589 140 000 000	Openings Frame Dormant pour vantaux Telaio parti Apribili					
ES 5086		0.099 000 000 000	Screw clips Clips/capot pour vissage Clip coprivite					

ACCESSORI - GUARNIZIONI - ATTREZZATURE

ACCESSORI - GUARNIZIONI - ATTREZZATURE:

(SCHEDE EA e EG)

Sagomario accessori dedicati con codici, descrizioni e dati tecnici.

Sagomario guarnizioni con codici, descrizioni e dati tecnici.

Attrezzature, macchinari e utensili.

ACCESSORIES - GASKETS - EQUIPMENTS:

(FICHES EA & EG)

System accessories with codes, description and technical data.

Gaskets with codes, description and technical data.

Equipments, machines and tools.

ACCESSOIRES - JOINTS - EQUIPEMENTS:

(FICHES EA et EG)

Accessoires de système avec codes, description et données techniques.

Joints et buchons avec codes, description et données techniques.

Equipements, machines et outillages.

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



ACCESSORI DI SISTEMA

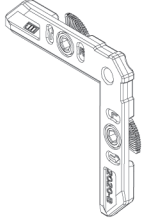
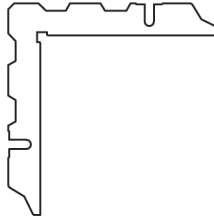
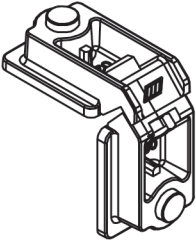
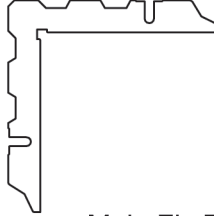
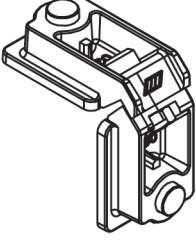
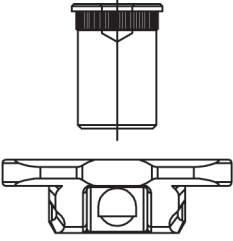
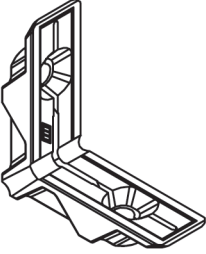
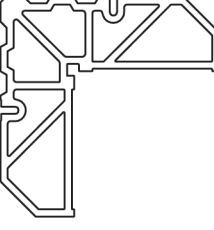
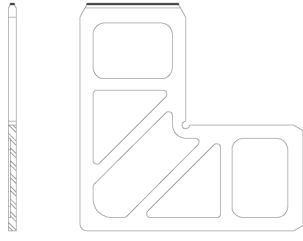
SYSTEM HARDWARE AND ACCESSORIES

ACCESSOIRES DU SYSTEME

EKOS

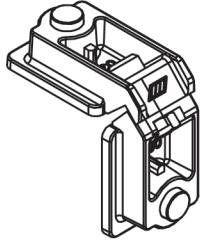
ALUMINIUM COLLECTION

ACCESSORI

<p>Fuji 2008 Sash Aligement aluminium die casted corner Fuji 2008 Equèrre d'alignement vantail en aluminum Fuji 2008 Squadretta di allineamento ante in alluminio pressofuso</p>  <p>Sashes with glass stops</p>	<p>SQ001 Fix frame corner in Extruded aluminium SQ001 Equèrre dormants en aluminum Extrudée SQ001 Squadretta telaii in alluminio Estruso</p> <p>TYPE 1 (Corner gap: 10.5 x 15.5)</p>  <p>All 45° Fix Frames</p>
<p>LM 0432/250 Fix frame aluminium die casted corner LM 0432/250 Equèrre dormants en aluminum LM 0432/250 Squadretta telaii in alluminio pressofuso</p>  <p>Fix Frames with central Thermal break</p>	<p>SQ001 Fix frame corner in Extruded aluminium SQ001 Equèrre dormants en aluminum Extrudée SQ001 Squadretta telaii in alluminio Estruso</p> <p>TYPE 2 (Corner gap: 10.5 x 41.6)</p>  <p>Main Fix Frames corner for 45° cutting</p>
<p>LM 0432/250 Fix frame aluminium die casted corner LM 0432/250 Equèrre dormants en aluminum LM 0432/250 Squadretta telaii in alluminio pressofuso</p>  <p>Fix Frames with double Thermal break</p>	<p>GS 02923N ZAMAC corner for sashes GS 02923N Equèrre en ZAMAC pour vantails GS 02923N Squadretta in ZAMAC per ante</p>  <p>For all sashes</p>
<p>LM 0132/250 Fix frame aluminium die casted corner LM 0132/250 Equèrre dormants en aluminum LM 0132/250 Squadretta telaii in alluminio pressofuso</p>  <p>Fix Frames with double Thermal break</p>	<p>SQ002 Sash corner in Extruded aluminium (30.5 mm) SQ002 Equèrre de vantail en aluminum Extrudée (30.5 mm) SQ002 Squadretta ante in alluminio Estruso (30.5 mm)</p> <p>TYPE 3 (Corner gap: 30.5 x 7.8)</p> 
<p>LM 0520.10/250 Fix frame aluminium die casted fastner 90° LM 0520.10/250 Chevalier dormants en aluminum pour 90° LM 0520.10/250 Cavallotto telaii in alluminio pressofuso 90°</p> <p>Fix Frames with double Thermal break</p>	<p>Sash aligement corner Equèrre d'alignement vantail Squadretta di allineamento ante</p>  <p>All sashes</p>

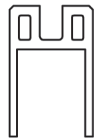
ACCESSORI

LM 0373/250 Fix frame aluminium die casted corner
 LM 0373/250 Equèrre dormants en aluminum
 LM 0373/250 Squadretta telaii in alluminio pressofuso



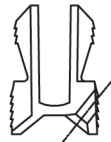
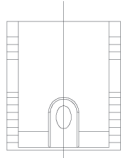
Fix Frames for single sash and fix panel

Support for rollers
 Support pour patins
 Supporto carrelli



Supplier
 GIESSE

07996_2D-000 Rods support rollers 150 Kg
 07996_2D-000 Supports de tiges et patins 150 Kg
 07996_2D-000 Guida aste carrelli da 150 kg

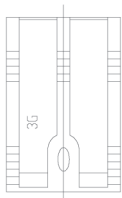


GIESSE 3000 Hardware

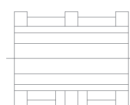


Supplier
 GIESSE

07997_2D-000 Rods support rollers 300 Kg
 07997_2D-000 Supports de tiges et patins de 300 Kg
 07997_2D-000 Guida aste carrelli da 300 kg



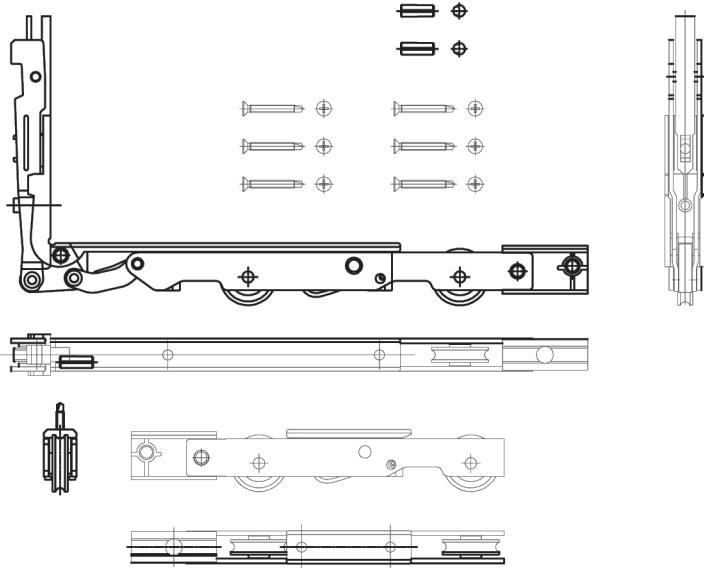
GIESSE 3000 Hardware



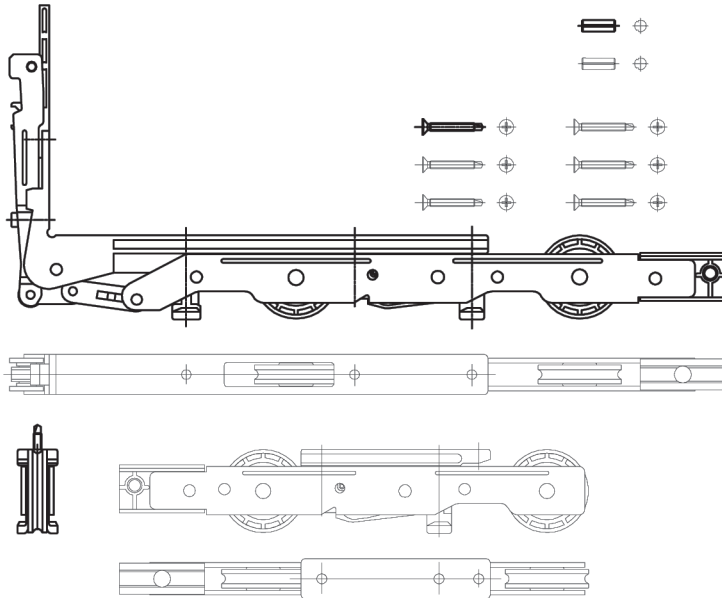
Supplier
 GIESSE

ACCESSORI

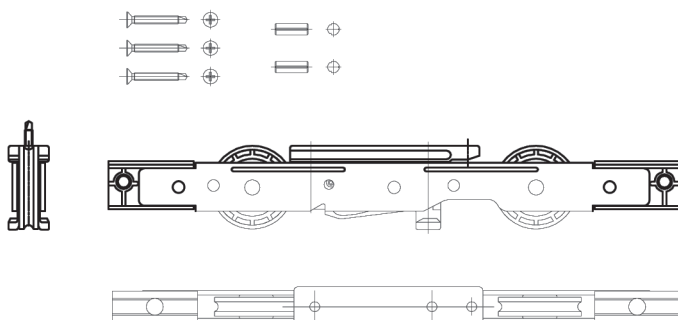
Roller set for lift & slide, 2 wheels - 150 Kg
 Kit x coulissants a' soulevement - 150 Kg
 Kit di carrelli alzante - capacità 150 Kg per anta



Roller set for lift & slide, 2 wheels - 300 Kg
 Kit x coulissants a' soulevement - 300 Kg
 Kit di carrelli alzante - capacità 300 Kg per anta



Kit di carrelli alzante Portata 300 Kg per anta (Suppl. centrale)
 Roller set for lift & slide, 2 wheels Capacity 300 Kg (Central)
 Kit pour coulissants a' soulevement Kg de poid (Centrale)



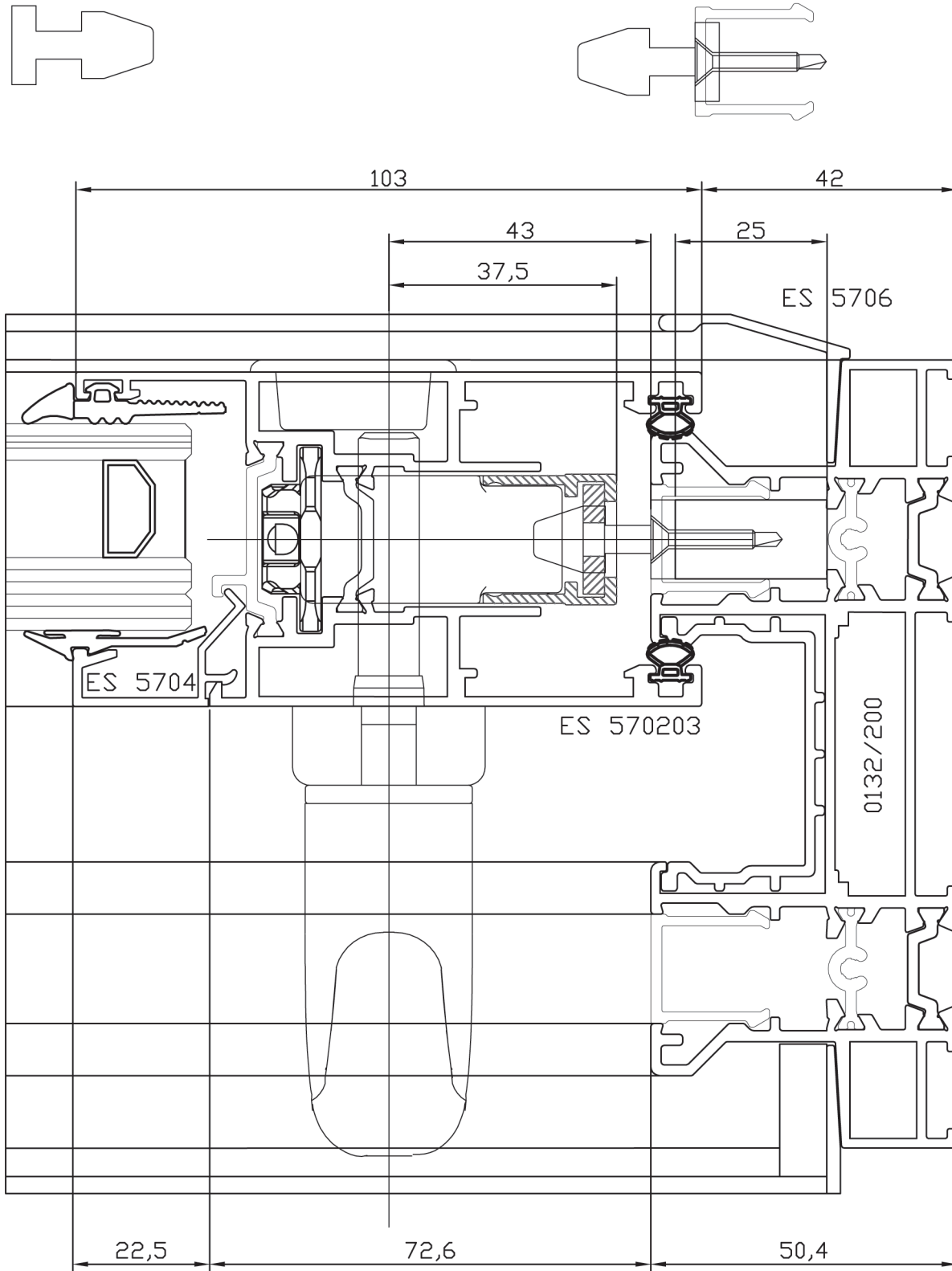
ACCESSORI

Connecting Rods for rollers
Tige de raccord pour patins
Aste collagamento carrelli



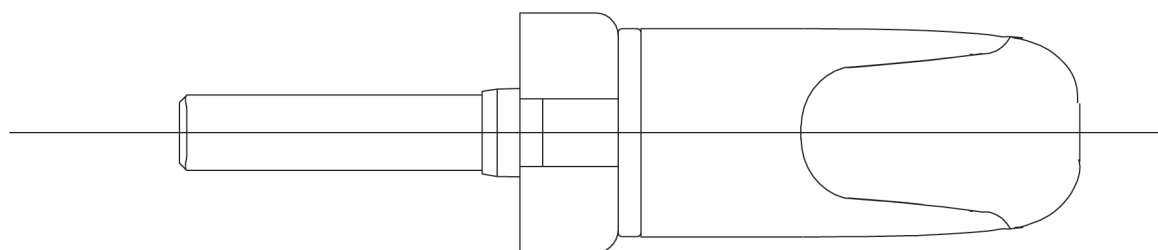
ACCESSORI

Fix frame Regulating latching point
 Point de fermeture réglable sur dormants
 Chiusura laterale su telaio - Rregistrabile

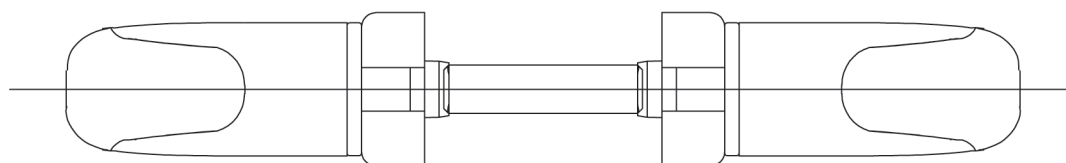


ACCESSORI

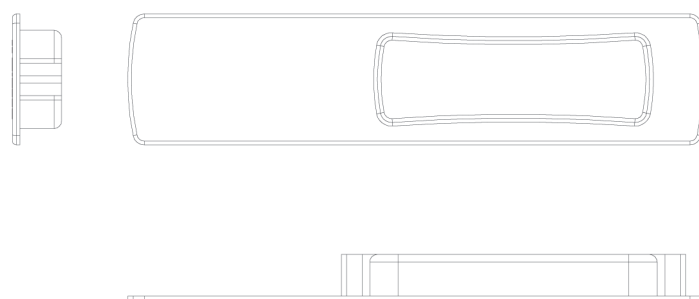
Internal handle
Poigné intérieure
Maniglia interna



Double handle
Poigné Double
Doppia Maniglia



Sheel handle (pulling handle)
Poigné en coquille (poigne' simple)
Maniglia a vaschetta per trascinamento

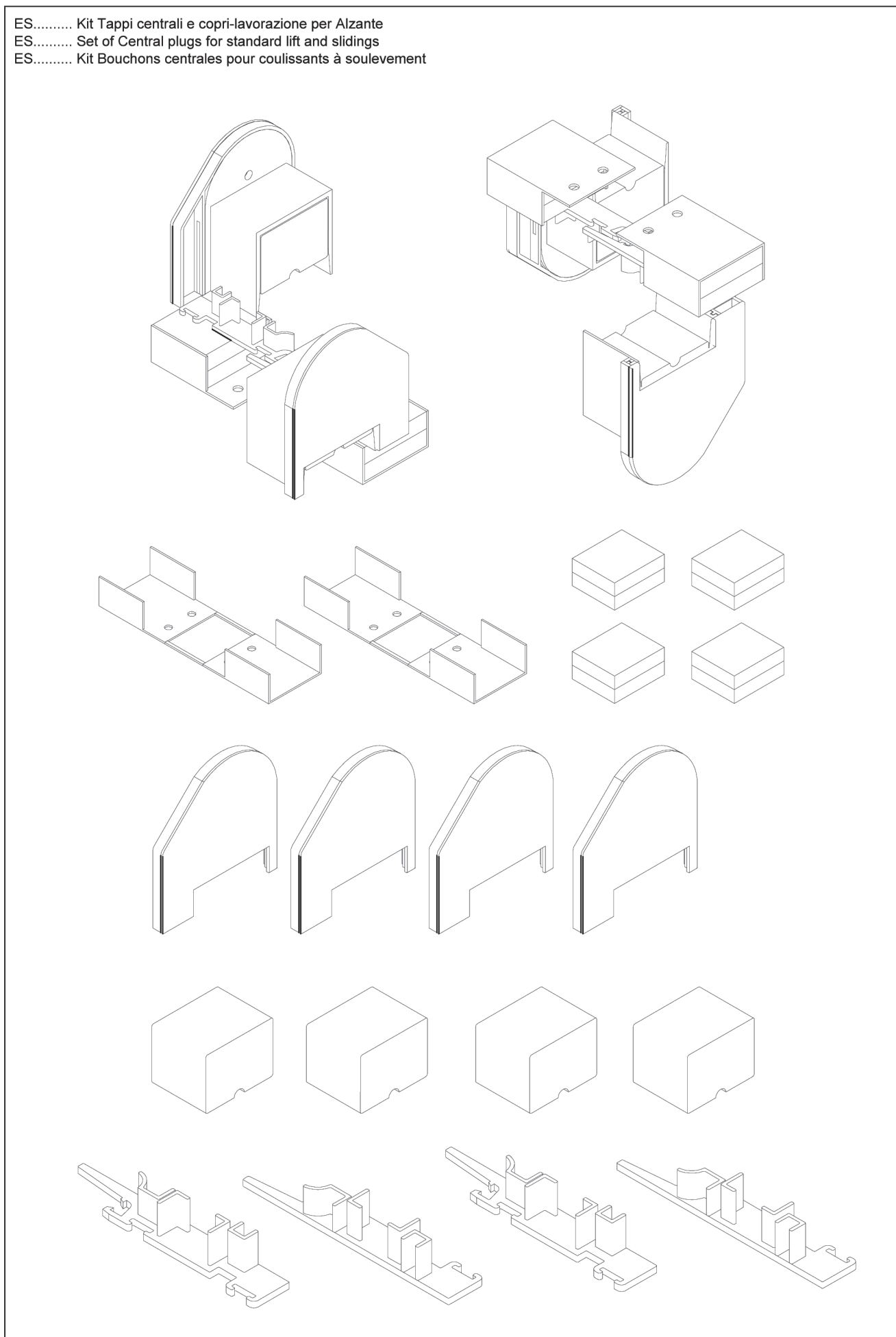


ACCESSORI

<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=300</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=300</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=230</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=230</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=200</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=200</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=170</p>	
<p>Driving gear entry 37.5 mm Tige de commande entrée 37.5 mm Asta di comando entrata 37.5 mm</p> <p>H=170</p>	

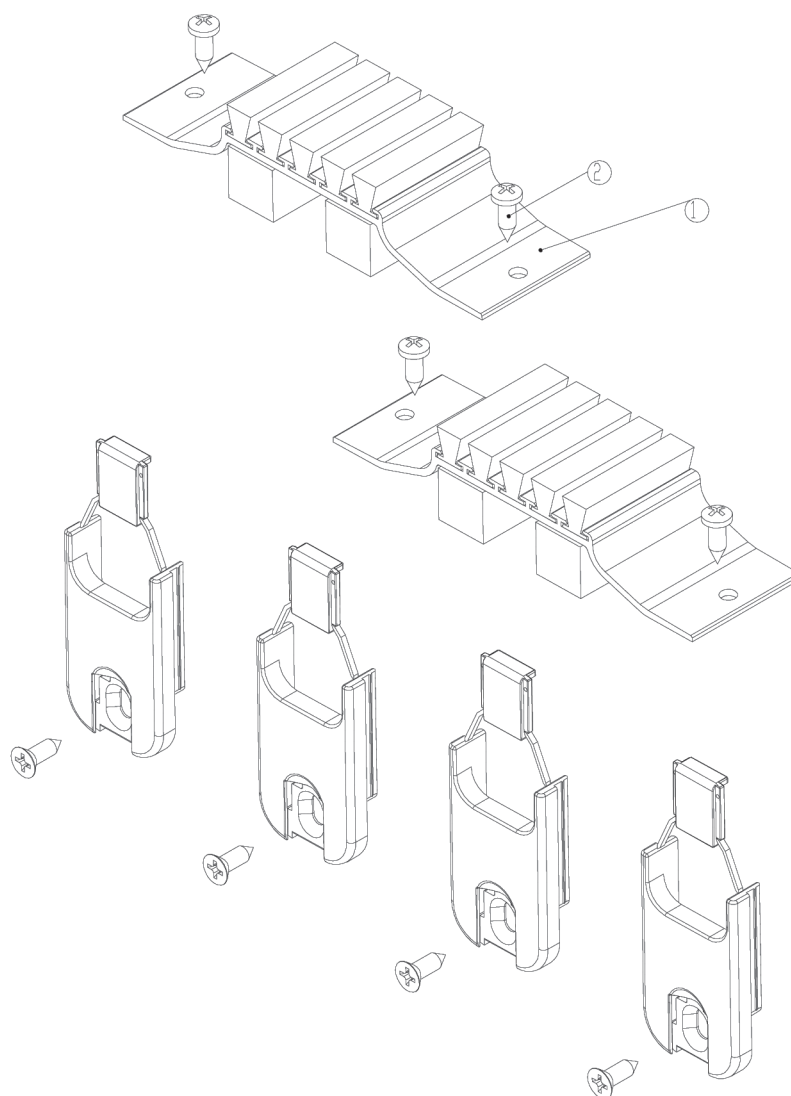
ACCESSORI

ES..... Kit Tappi centrali e copri-lavorazione per Alzante
ES..... Set of Central plugs for standard lift and slidings
ES..... Kit Bouchons centrales pour coulissants à soulevement



ACCESSORI

ES..... Kit Tappi centrali e copri-lavorazione per scorrevoli
 ES..... Set of Central plugs for standard slidings
 ES..... Kit Bouchons centrales pour coulissants standard





ATTREZZATURE E MACCHINE

SYSTEM EQUIPMENTS, TOOLS AND MACHINES

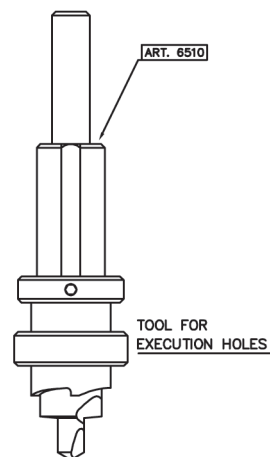
MACHINES ET OUTILLAGES

EKOS

ALUMINIUM COLLECTION

..... Milling tool for transoms
 Outils pour Freiseuse
 Gruppo frese per traversi

GS 06510 TOOL FOR FRAMES FASTNERS HOLES
 GS 06510 OUTILS POUR TASSEaux DE MISE EN OEUVRE
 GS 06510 UTENSILE DI FORATURA TASSELLI DI POSA



OM Punching machines for sliding and lift & slide
 OM Poinçonneuse pour coulissant et coulissant à soulevement
 OM Punzonatrice per scorrevole e alzante



GUARNIZIONI E TAPPI DI SISTEMA











SYSTEM GASKETS AND PLUGS

JOINTS E BOUCHONS DU SYSTEME








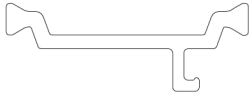


EKOS

ALUMINIUM COLLECTION


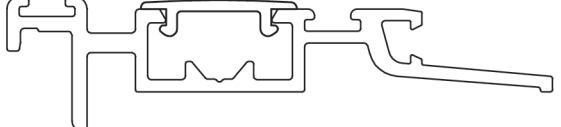

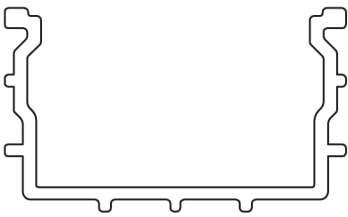
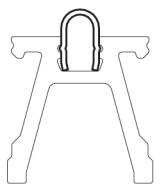
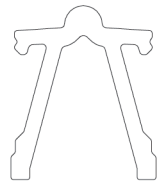
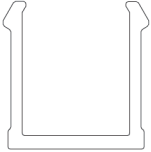
GUARNIZIONI

<p>CS 3074 Outer glazing gasket - 4 mm CS 3074 Joint de vitrages exterieur - 4 mm CS 3074 Guarnizione gingivetro esterna - 4mm</p>  <p style="text-align: right;">Coextruded (EPDM)</p>	<p>DU 0154 Inner glazing gasket - 4 mm DU 0154 Joint de vitrages interieur - 4 mm DU 0154 Guarnizione gingivetro interna - 4 mm</p>  <p style="text-align: right;">(EPDM)</p>
<p>DU 460 Inner glazing gasket - 3 mm DU 460 Joint de vitrages interieur - 3 mm DU 460 Guarnizione gingivetro interna - 3 mm</p>  <p style="text-align: right;">(EPDM)</p>	<p>DU 0155 Inner glazing gasket - 5 mm DU 0155 Joint de vitrages interieur - 5 mm DU 0155 Guarnizione gingivetro interna - 5 mm</p>  <p style="text-align: right;">(EPDM)</p>
<p>DU 461 Inner glazing gasket - 5 mm DU 461 Joint de vitrages interieur - 5 mm DU 461 Guarnizione gingivetro interna - 5 mm</p>  <p style="text-align: right;">(EPDM)</p>	<p>DU 0156 Inner glazing gasket - 6 mm DU 0156 Joint de vitrages interieur - 6 mm DU 0156 Guarnizione gingivetro interna - 6 mm</p>  <p style="text-align: right;">(EPDM)</p>
<p>GK 0152 Inner glazing gasket - 2 mm GK 0152 Joint de vitrages interieur - 2 mm GK 0152 Guarnizione gingivetro interna - 2 mm</p>  <p style="text-align: right;">(EPDM)</p>	<p>DU 0012 Inner glazing gasket - 2 mm DU 0012 Joint de vitrages interieur - 2 mm DU 0012 Guarnizione gingivetro interna - 2 mm</p>  <p style="text-align: right;">(EPDM)</p>
<p>DU 0153 Inner glazing gasket - 3 mm DU 0153 Joint de vitrages interieur - 3 mm DU 0153 Guarnizione gingivetro interna - 3 mm</p>  <p style="text-align: right;">(EPDM)</p>	<p>DU 0013 Inner glazing gasket - 3 mm DU 0013 Joint de vitrages interieur - 3 mm DU 0013 Guarnizione gingivetro interna - 3 mm</p>  <p style="text-align: right;">(EPDM)</p>

GUARNIZIONI

<p>DU 0014 Inner glazing gasket - 4 mm DU 0014 Joint de vitrages interieur - 4 mm DU 0014 Guarnizione gingivetro interna - 4 mm</p>  <p>(EPDM)</p>	<p>1Z 345 Sliding frame gasket 1Z 345 Joint d'etaincheité vantaux 1Z 345 Guarnizione anta scorrevole</p>  <p>Coextruded (EPDM)</p>
<p>DU 0015 Inner glazing gasket - 5 mm DU 0015 Joint de vitrages interieur - 5 mm DU 0015 Guarnizione gingivetro interna - 5 mm</p>  <p>(EPDM)</p>	<p>DU Mosquito screen net gasket DU Joint pour toile mustiquaire DU Guarnizione per zanzariera</p>  <p>(PVC)</p>
<p>DU 0016 Inner glazing gasket - 6 mm DU 0016 Joint de vitrages interieur - 6 mm DU 0016 Guarnizione gingivetro interna - 6 mm</p>  <p>(EPDM)</p>	<p>DU 1271 Finishing gasket DU 1271 Joint de finition DU 1271 Guarnizione di finitura</p> 
<p>DU 0130 Outer glazing gasket - 3 mm DU 0130 Joint de vitrages exterior - 3 mm DU 0130 Guarnizione gingivetro esterna - 3 mm</p>  <p>(EPDM)</p>	<p>TF 218100 Polyamide PA 6.6 bars - 110 g/m TF 218100 Barrette en polyamide PA 6.6 - 110 g/m TF 218100 Barretta in poliammide PA 6.6 - 110 g/m</p> 
<p>..... Mosquito screen brushes (2.5 mm) Brosses pour profils de mustiquaire (2.5 mm) Spazzolini per zanzariera (2.5 mm)</p>  <p>(PVC - PE)</p>	<p>TF 948700 Polyamide PA 6.6 bars - 78 g/m TF 948700 Barrette en polyamide PA 6.6 - 78 g/m TF 948700 Barretta in poliammide PA 6.6 - 78 g/m</p> 

POLIAMMIDE

<p>TF 941700 Polyamide PA 6.6 bars - 70 g/m TF 941700 Barrette en polyamide PA 6.6 - 70 g/m TF 941700 Barretta in poliammide PA 6.6 - 70 g/m</p> 	<p>RPT 3077 Central profile in polyamide PA 6.6 RPT 3077 Central en polyamide PA 6.6 RPT 3077 per incontro centrale in poliamide PA 6.6</p> 
<p>09 - 2492 Polyamide PA 6.6 bars - 70 g/m 09 - 2492 Barrette en polyamide PA 6.6 - 70 g/m 09 - 2492 Barretta in poliammide PA 6.6 - 70 g/m</p> 	<p>ES 55737 Sliding central chanel ES 55737 U pour dormants ES 55737 Canalina centrale</p> 
<p>RPT xx Polyamide PA 6.6 bars - 167 g/m RPT xx Barrette en polyamide - 167 g/m RPT xx Barretta in poliammide PA 6.6 - 167 g/m</p>  <p>To be done</p>	
<p>TF 306300 Polyamide PA 6.6 bars - 167 g/m TF 306300 Barrette en polyamide - 167 g/m TF 306300 Barretta in poliammide PA 6.6 - 167 g/m</p> 	
<p>TF 354300 Polyamide PA 6.6 bars - 114 g/m TF 354300 Barrette en polyamide PA 6.6 - 114 g/m TF 354300 Barretta in poliammide PA 6.6 - 114 g/m</p> 	

SEZIONI PROFILATI:
(SCHEDE SP e STR)

SCHEDE SP: sagomario di tutti i profilati, con codici, superficie in vista, peso e altri dati tecnici e di calcolo.

PROFILES SECTIONS:
(FICHES SP)

FICHES SP: profiles shapes of all the profiles with codes, surface of treatment, weight and others technical data for the calculations.

COUPES DES PROFILES:
(FICHES SP)

FICHES SP: Siluettes de tous les profils avec codes, surface en vue, poids et d'autres données techniques pour les calculs.

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



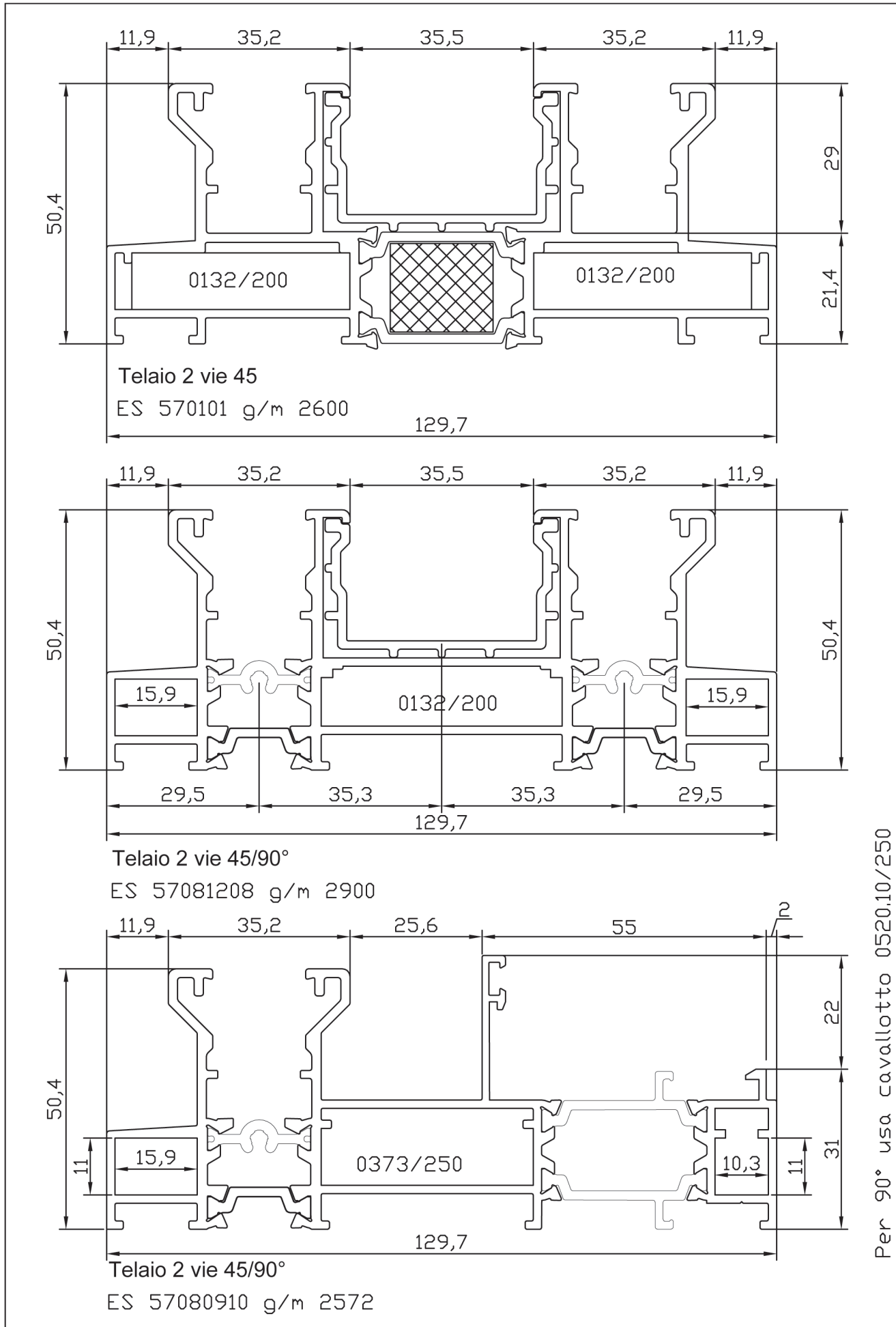
PROFILI SCALA 1:1

PROFILES SCALE 1:1

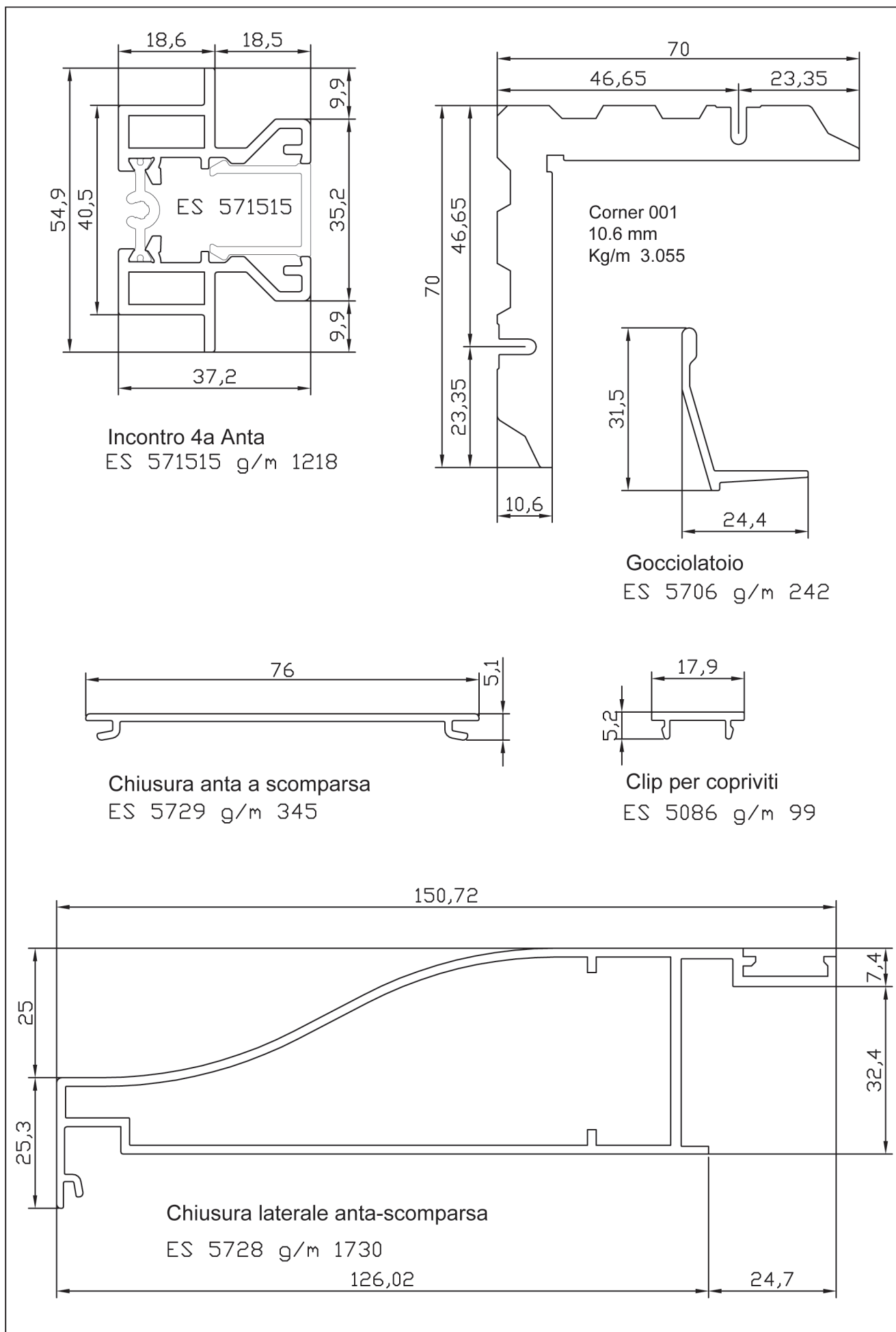
PROFILS A L'ECHELLE 1:1

EKOS
ALUMINIUM COLLECTION

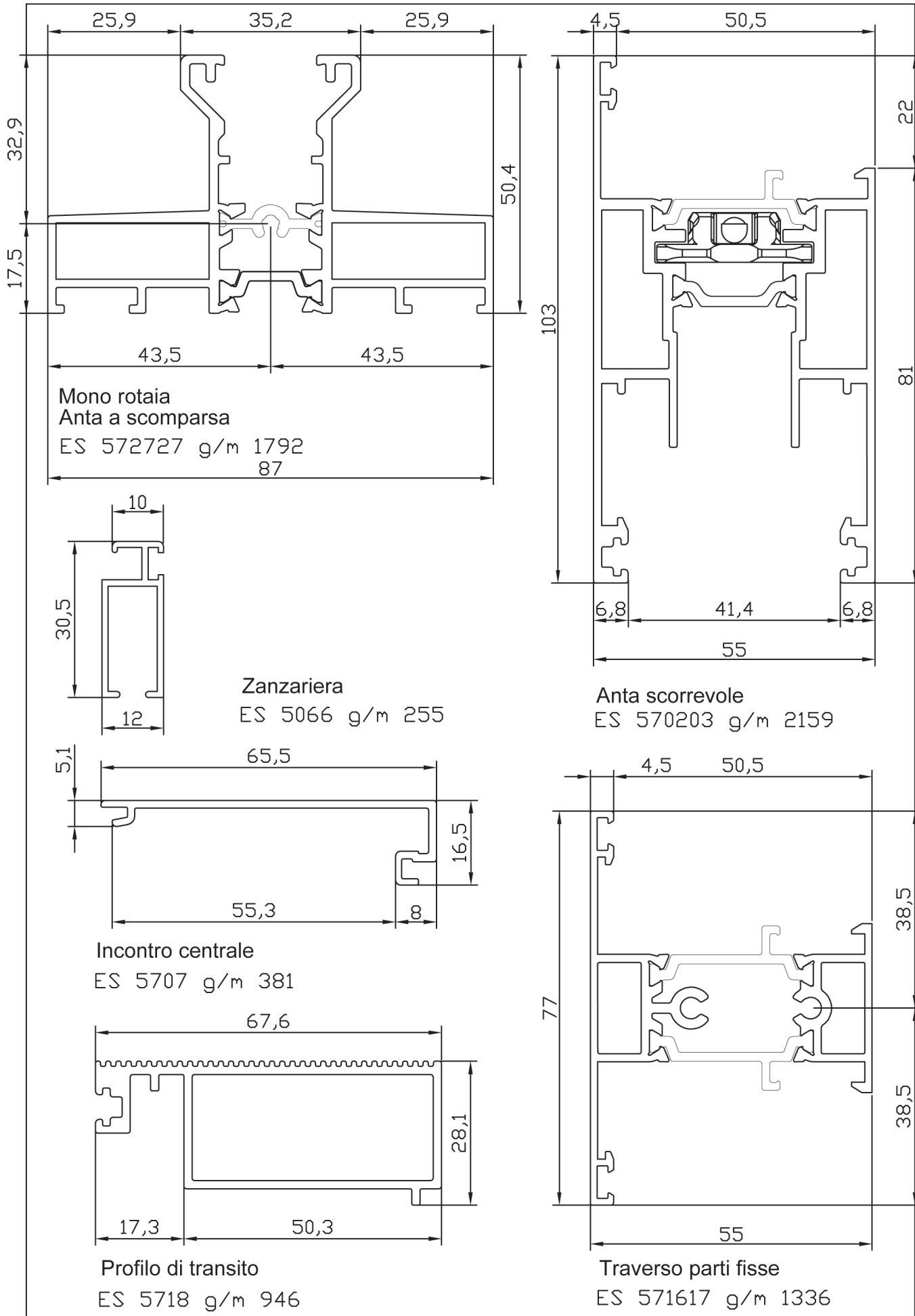
PROFILI IN SCALA 1:1



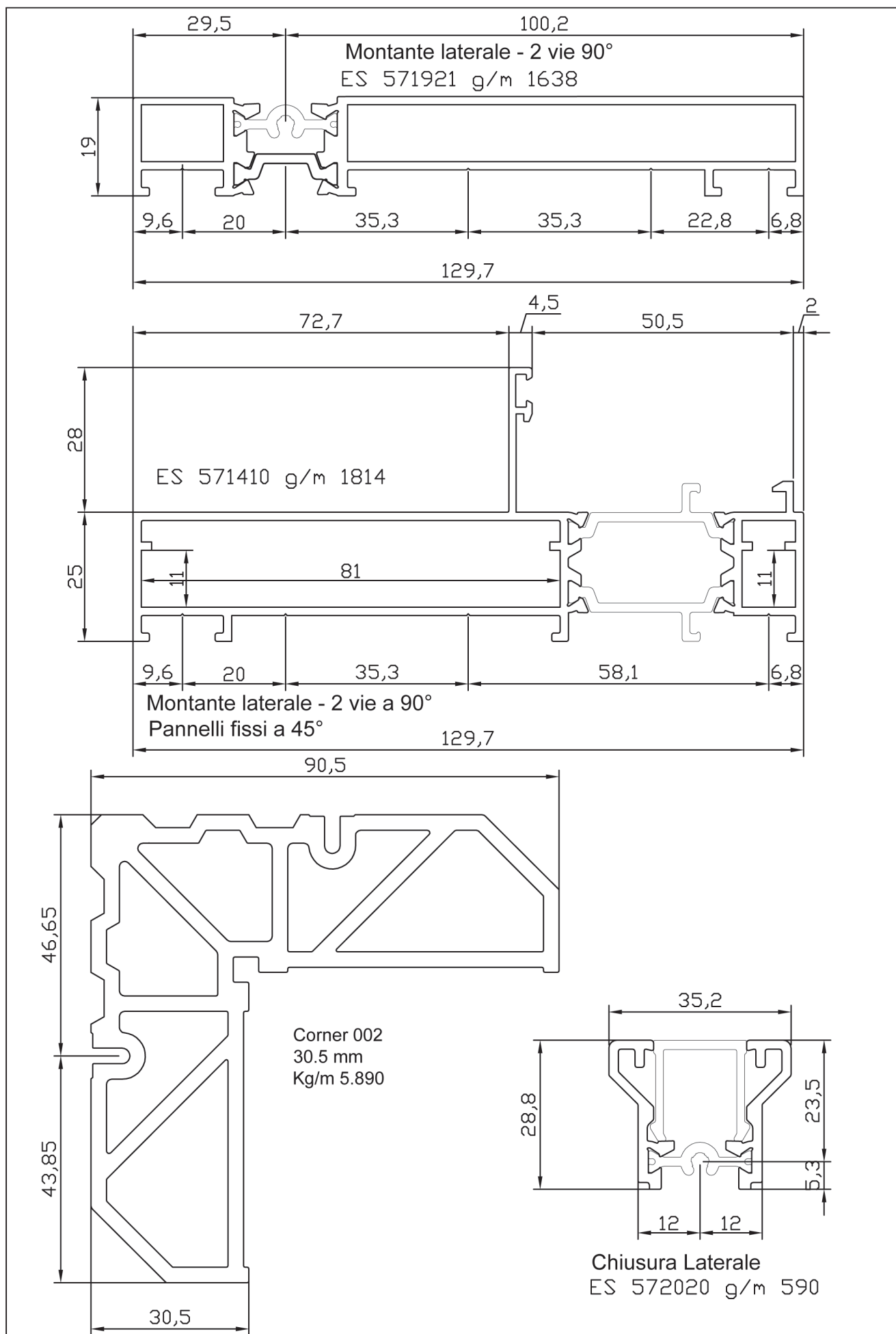
PROFILI IN SCALA 1:1



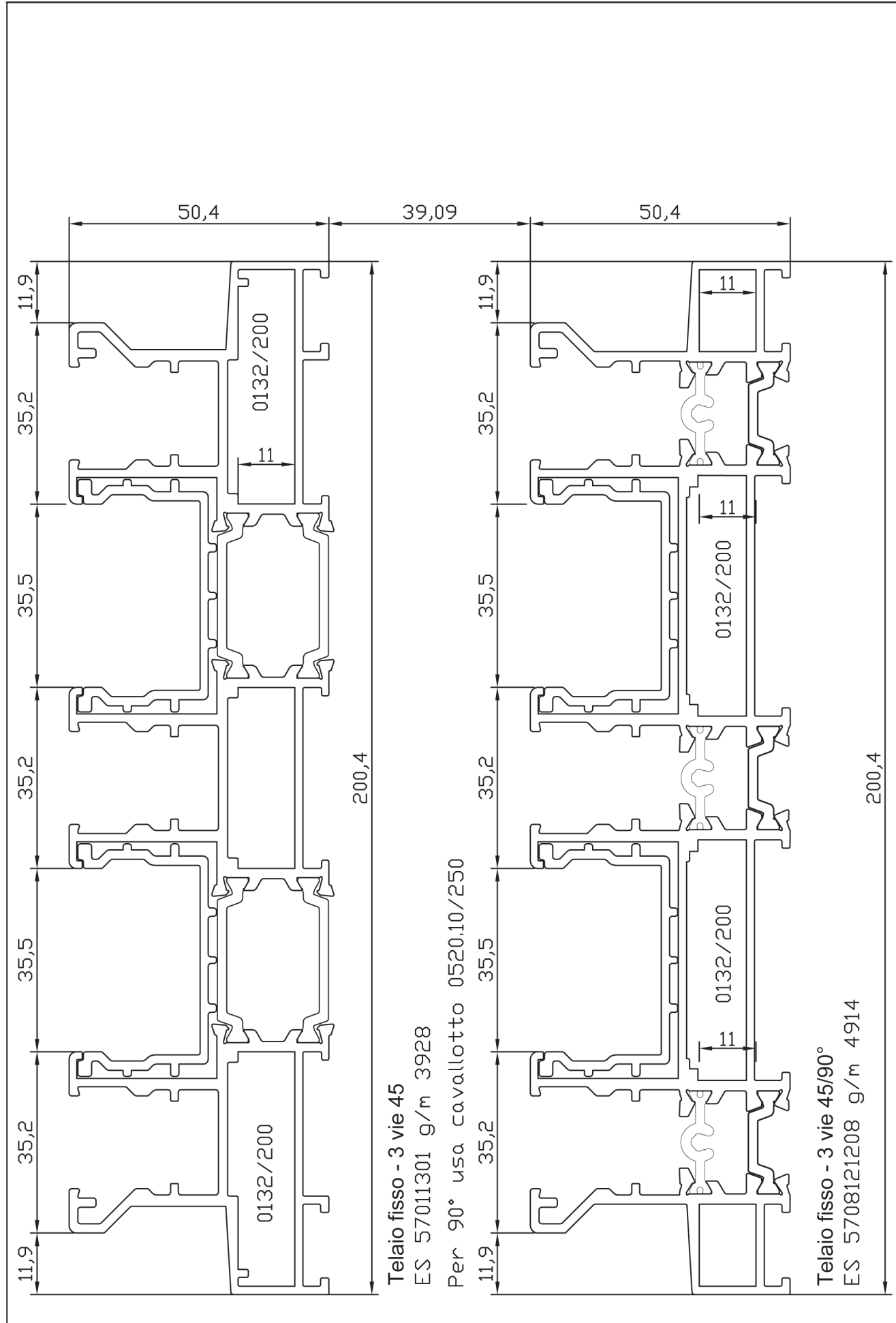
PROFILI IN SCALA 1:1



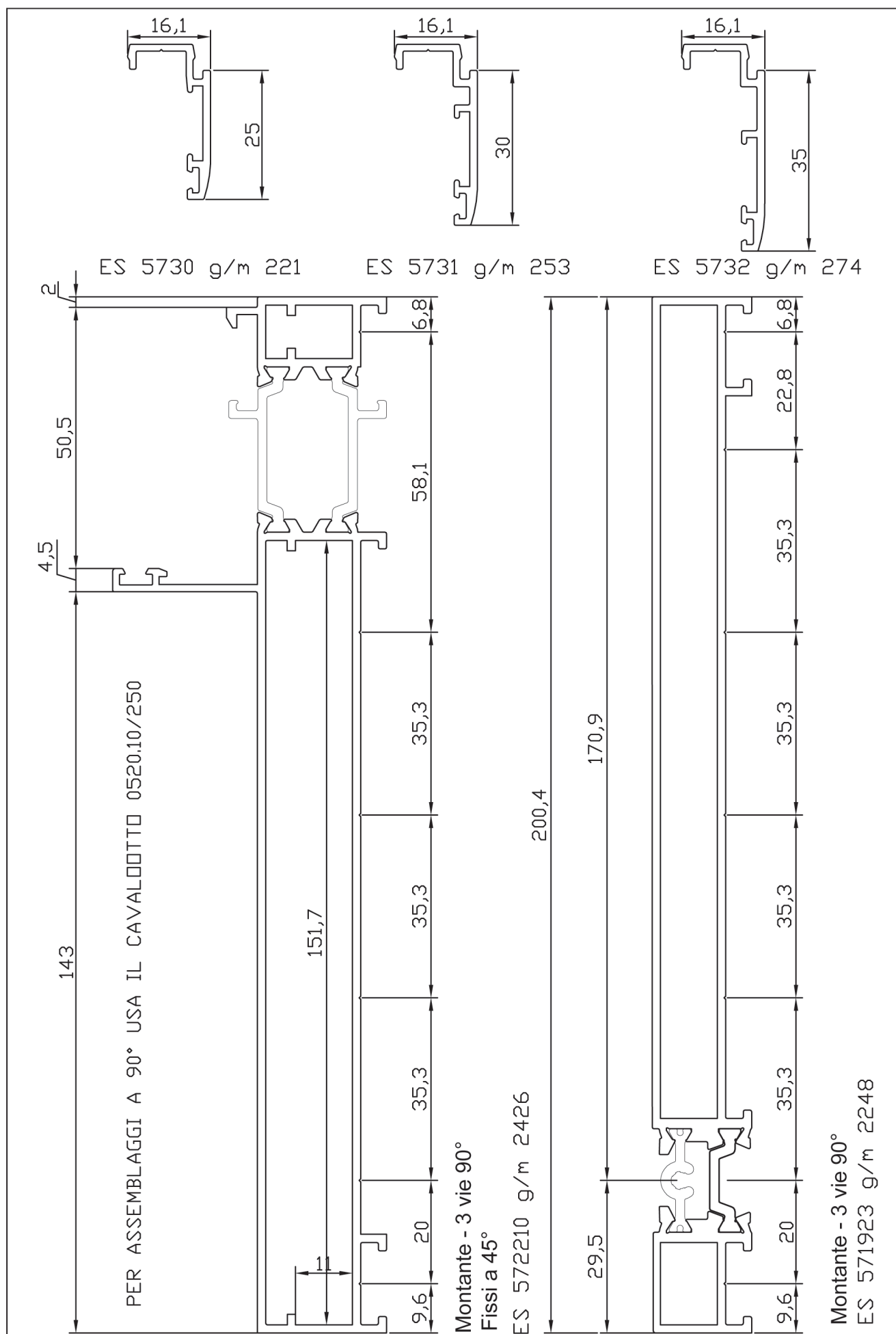
PROFILI IN SCALA 1:1



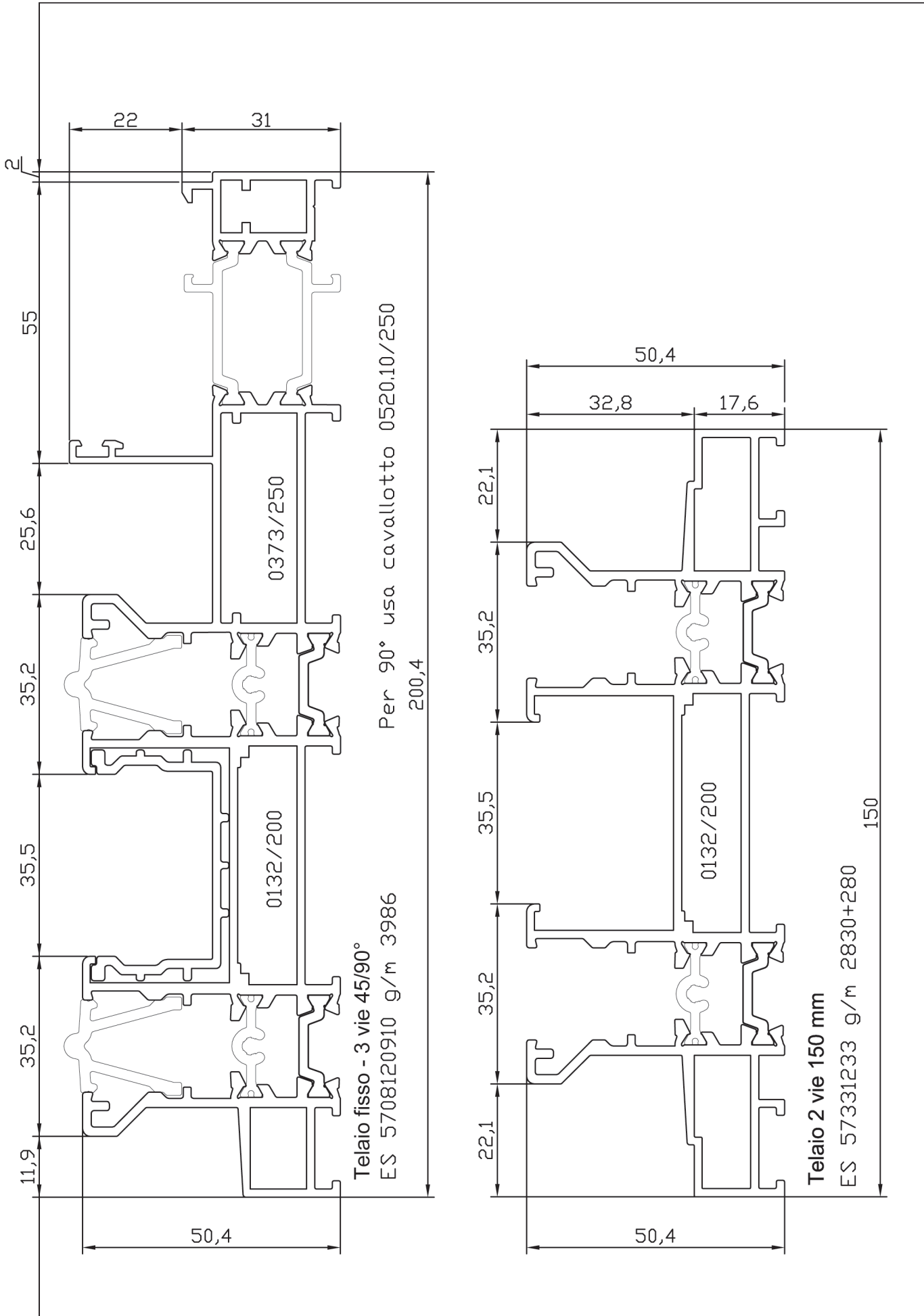
PROFILI IN SCALA 1:1



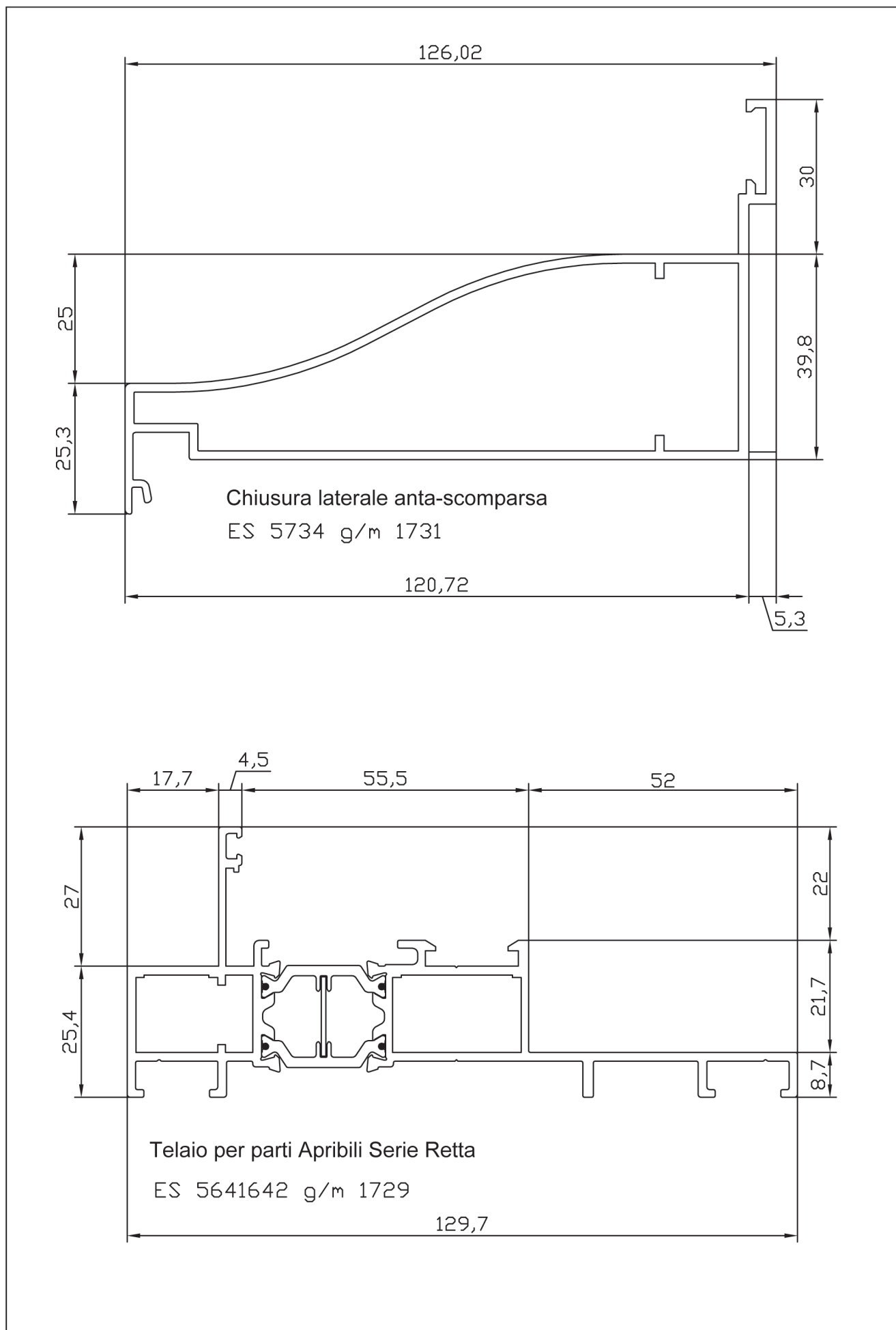
PROFILI IN SCALA 1:1



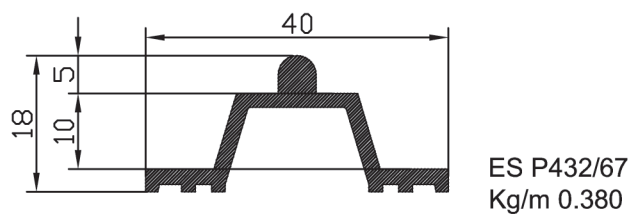
PROFILI IN SCALA 1:1



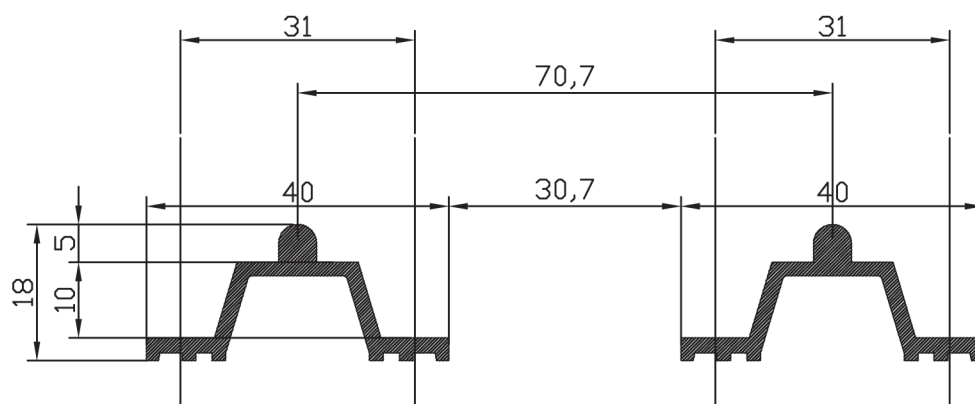
PROFILI IN SCALA 1:1



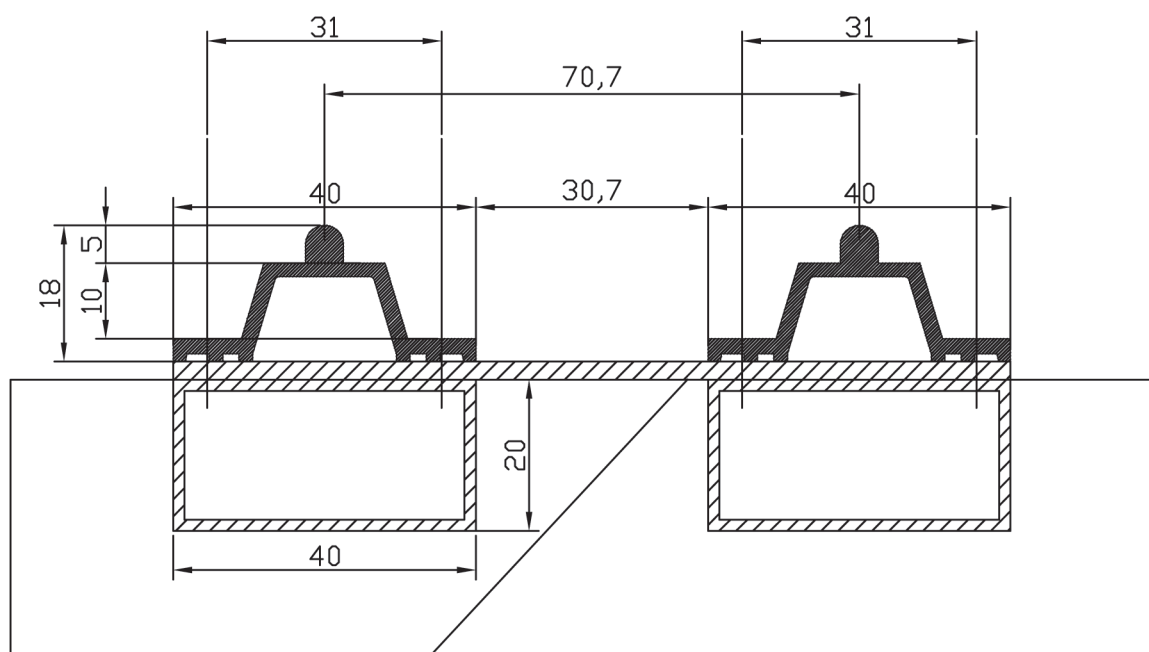
PROFILI IN SCALA 1:1



POSIZIONAMENTO



**SOGLIA BASSA DA
AVVITARE A TERRA**



PIASTRA DI COLLEGAMENTO CON IL TELAIO



FERMAVETRI SCALA 1:1

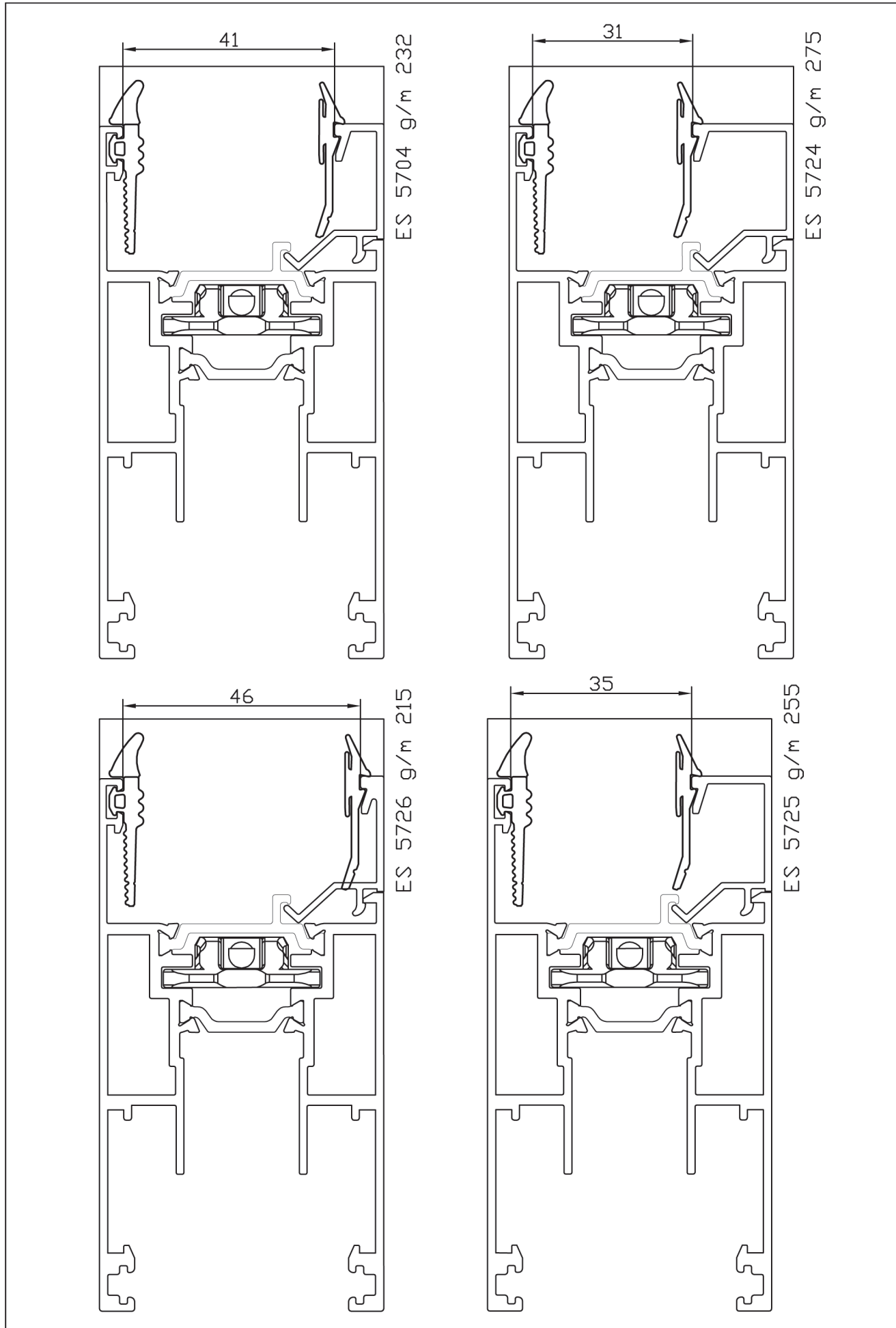
GLASS STOPS SCALE 1:1

PARCLOSES A L'ECHELLE 1:1

EKOS

ALUMINIUM COLLECTION

FERMAVETRI SCALA 1:1



FERMAVETRI SCALA 1:1

MODELS SECTIONS :

(FICHES NS)

FICHES NS: vertical and horizontal sections in scale 1:1 of all combinations among the profiles, with hardware and accessories codes , gaskets and others useful information.

COUPES PRINCIPALES:

(FICHES NS)

FICHES NS: coupes verticales et horizontale a l'échelle 1:1 avec toutes les combinaisons entre les profils, avec les codes des accessoires, les joints et toutes autres informations utiles.

NODI TIPO :

(SCHEDE NS)

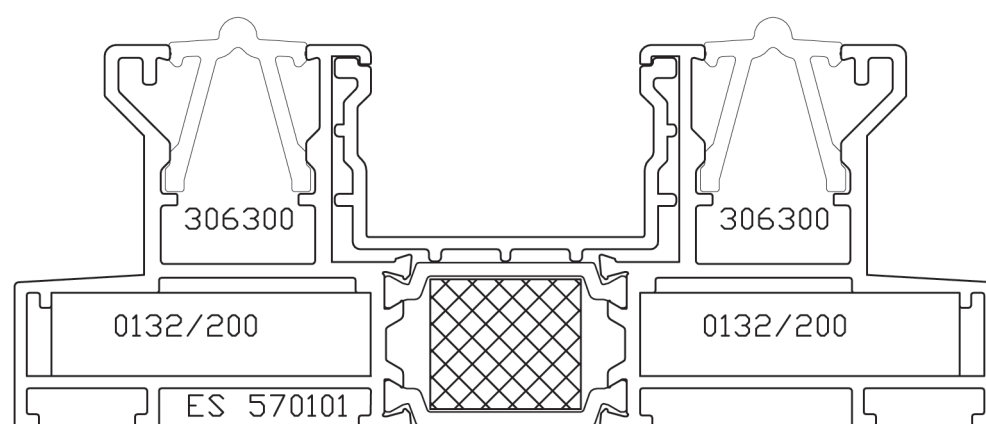
SCHEDE NS: sezioni verticali ed orizzontali in scala 1:1 di tutte le combinazioni tra i profili, con codici accessori, guarnizioni e altri dati utili.

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

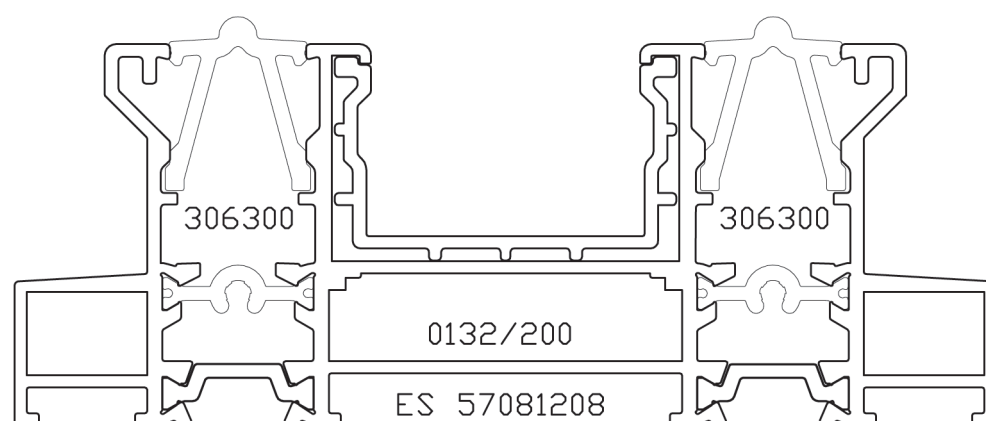
THERMAL BREAK COLLECTIONS



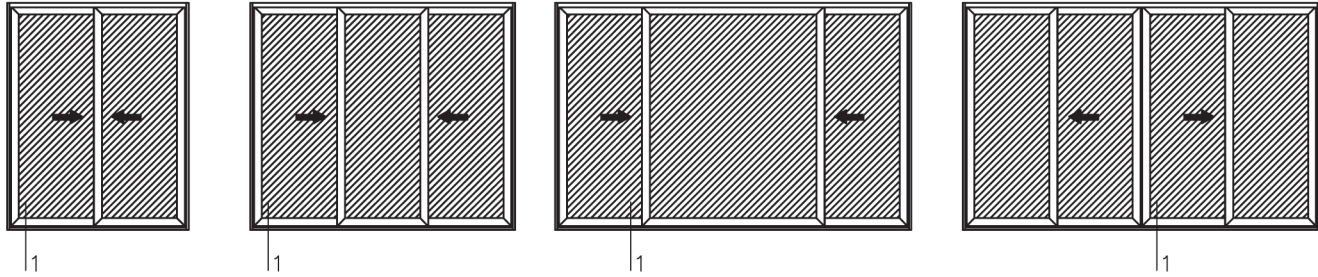
SEZIONI IN SCALA 1:1

SECTIONS IN SCALE 1:1

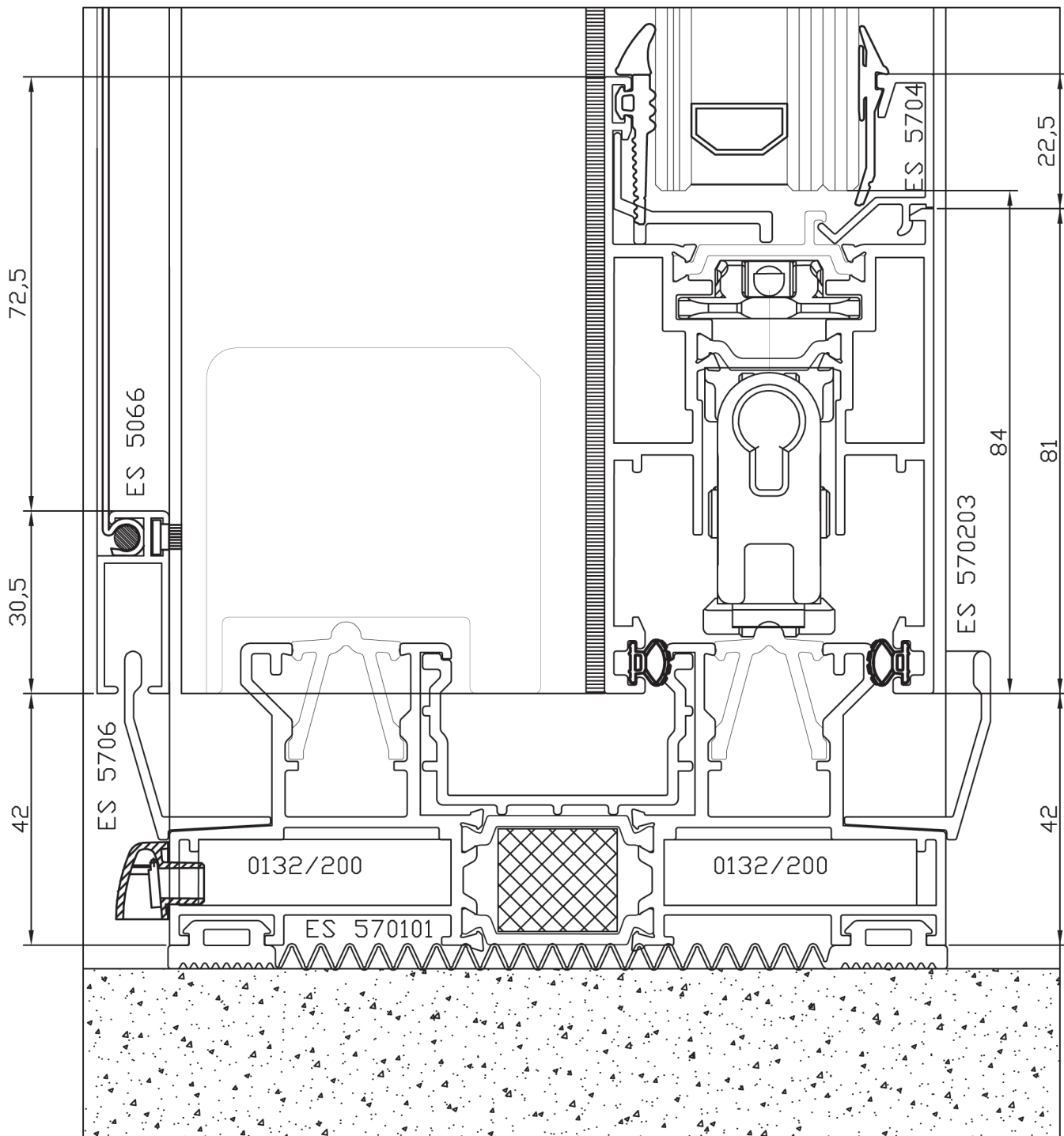
COUPES A L'ECHELLE 1:1



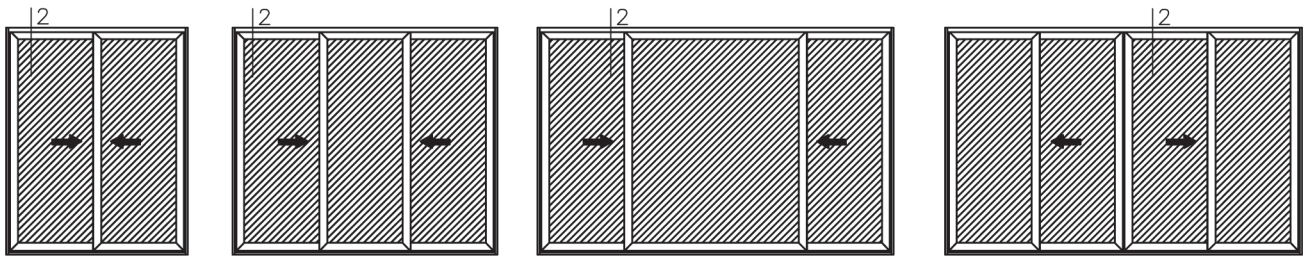
SEZIONI IN SCALA 1:1



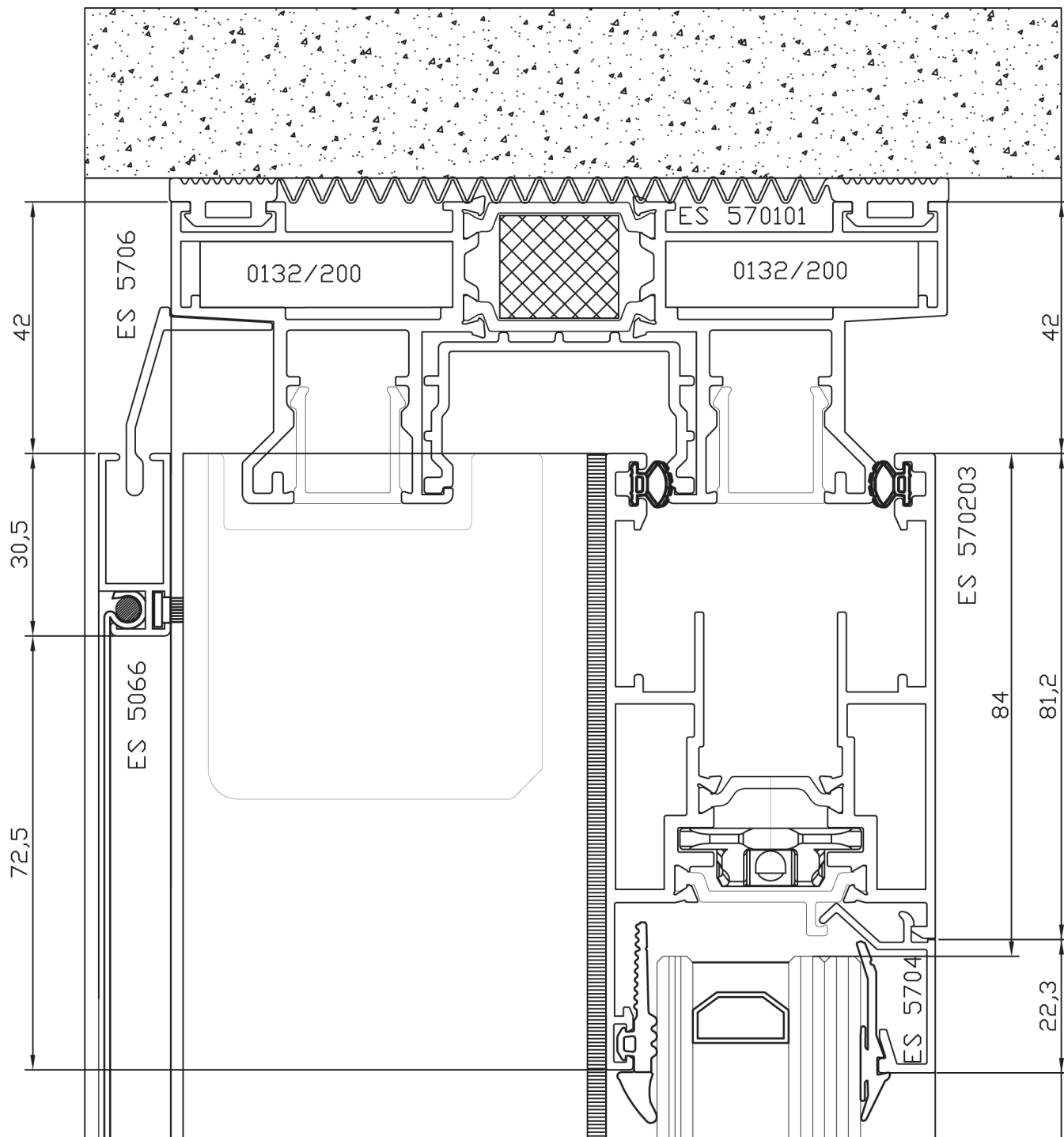
OUTER VIEW
VUE DE L'EXTERIEUR
VISTA ESTERNA

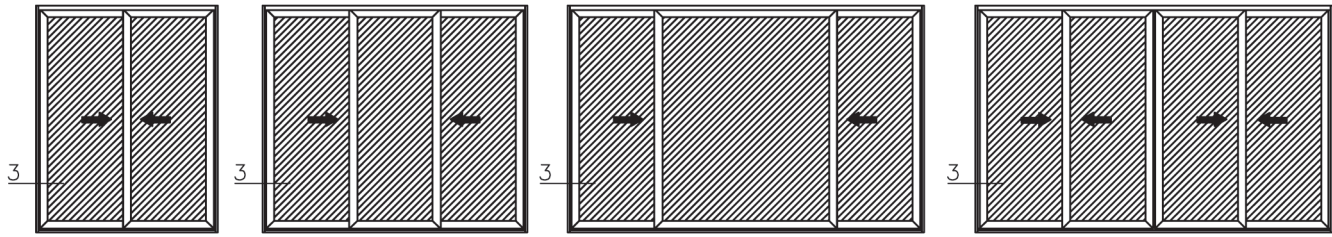


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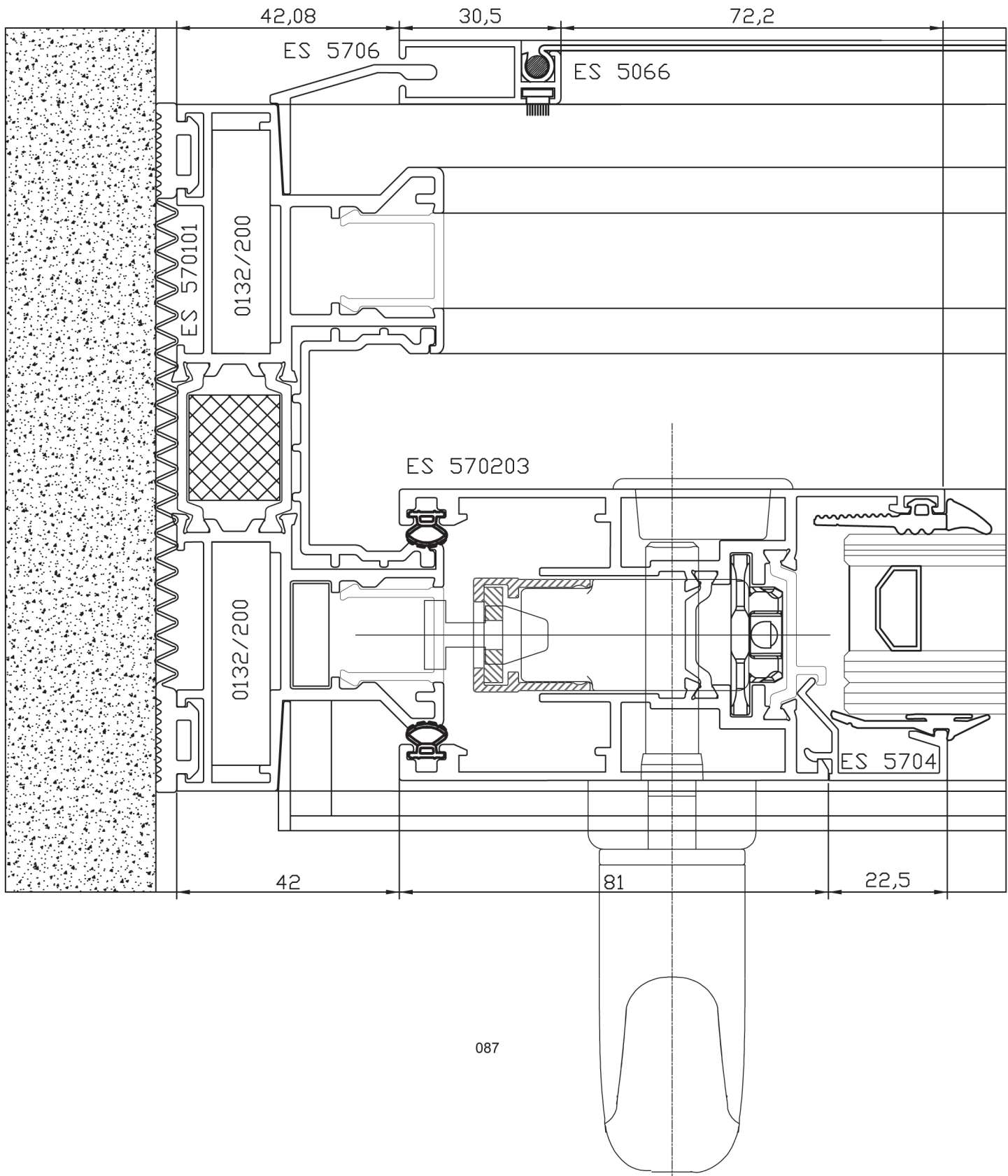


OUTER VIEW
VUE DE L'EXTERIEUR
VISTA ESTERNA

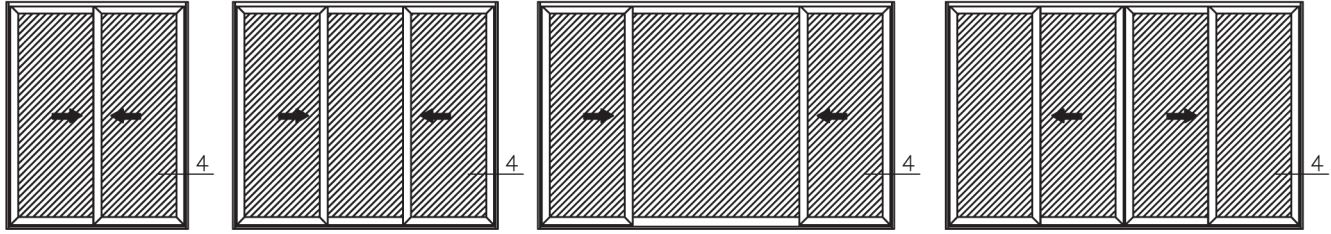




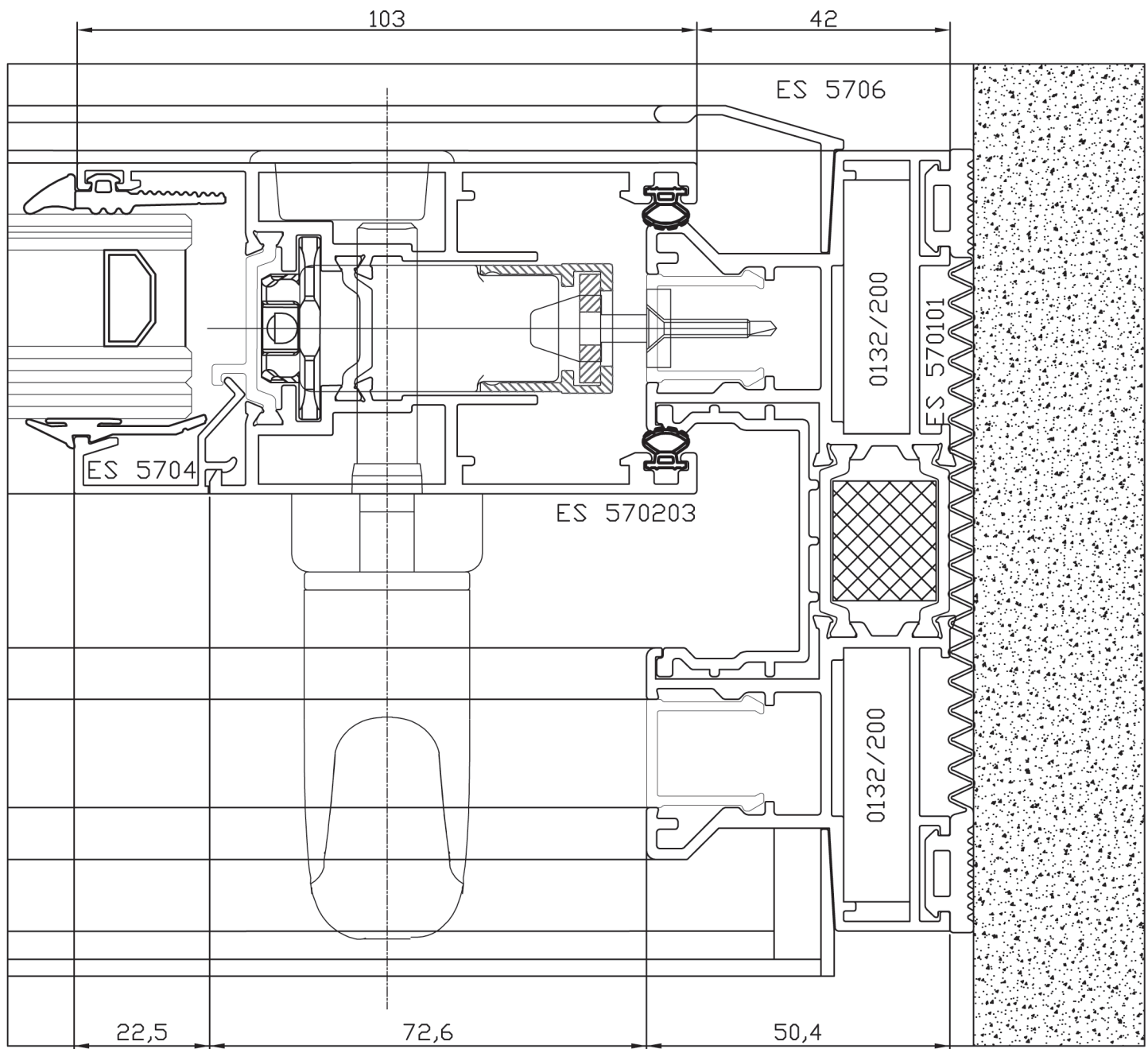
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VUE DE L'EXTERIEUR
VISTA ESTERNA



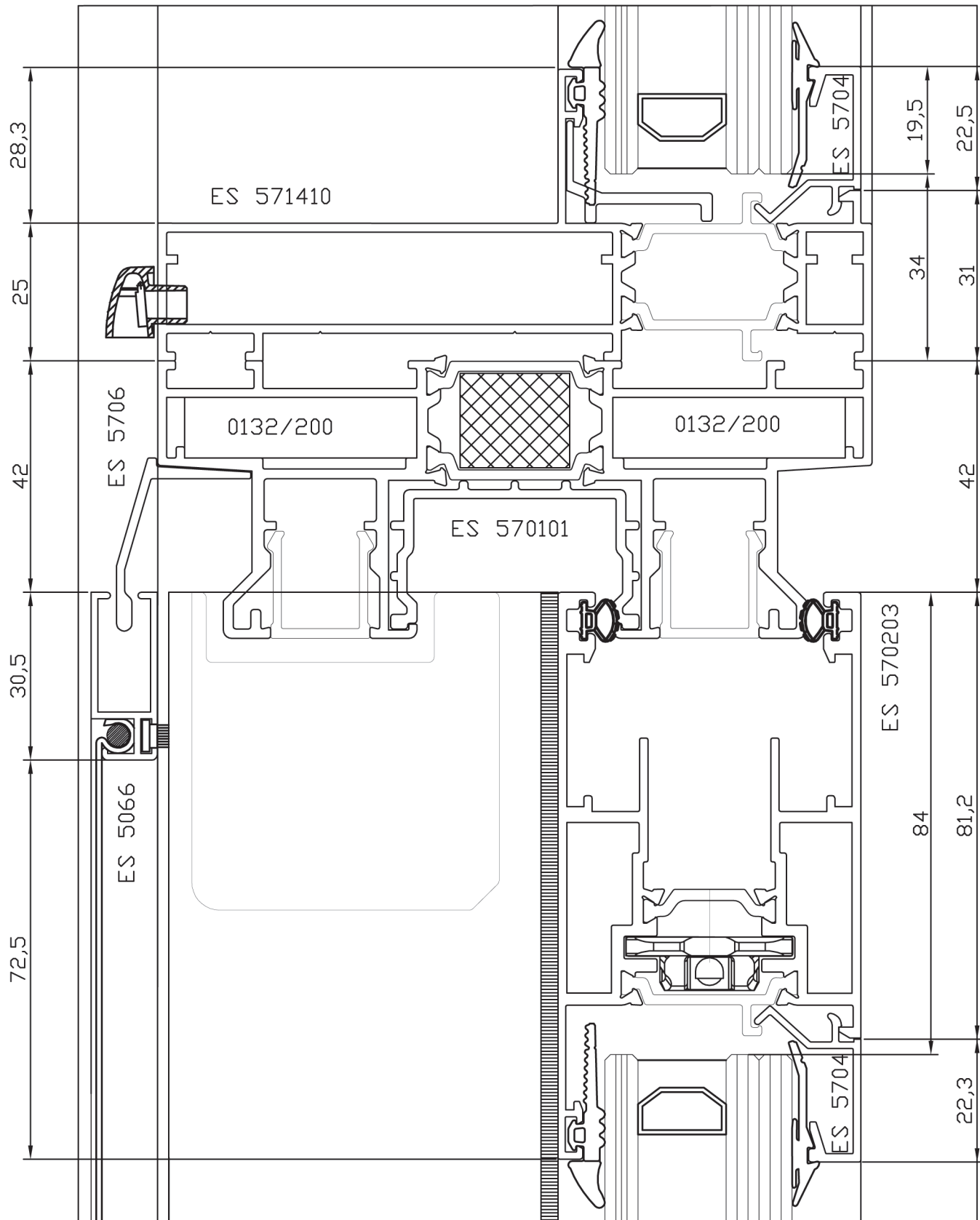
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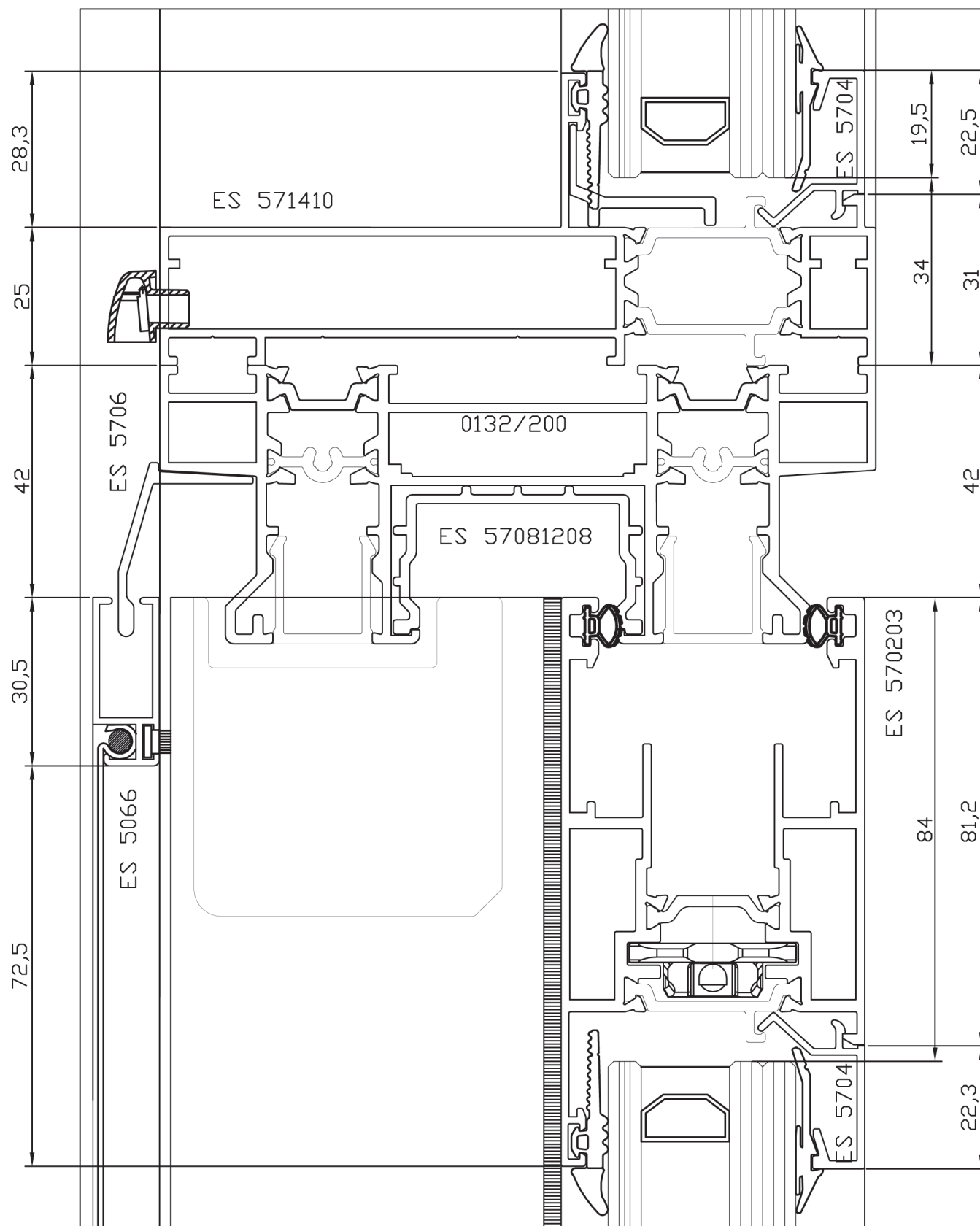
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VUE DE L'EXTERIEUR
VISTA ESTERNA



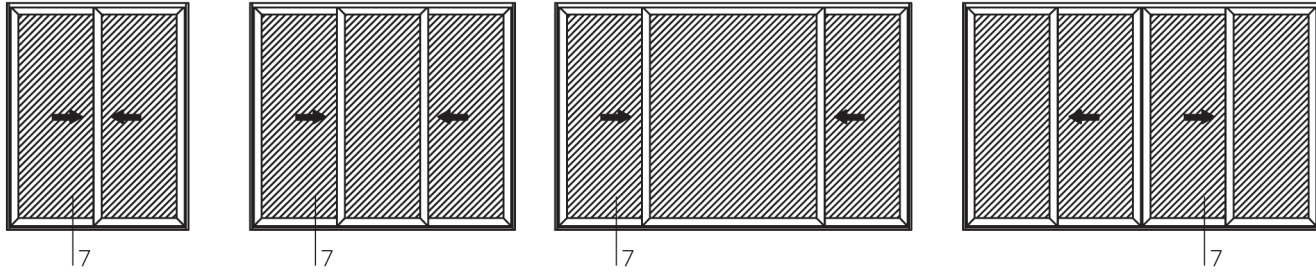
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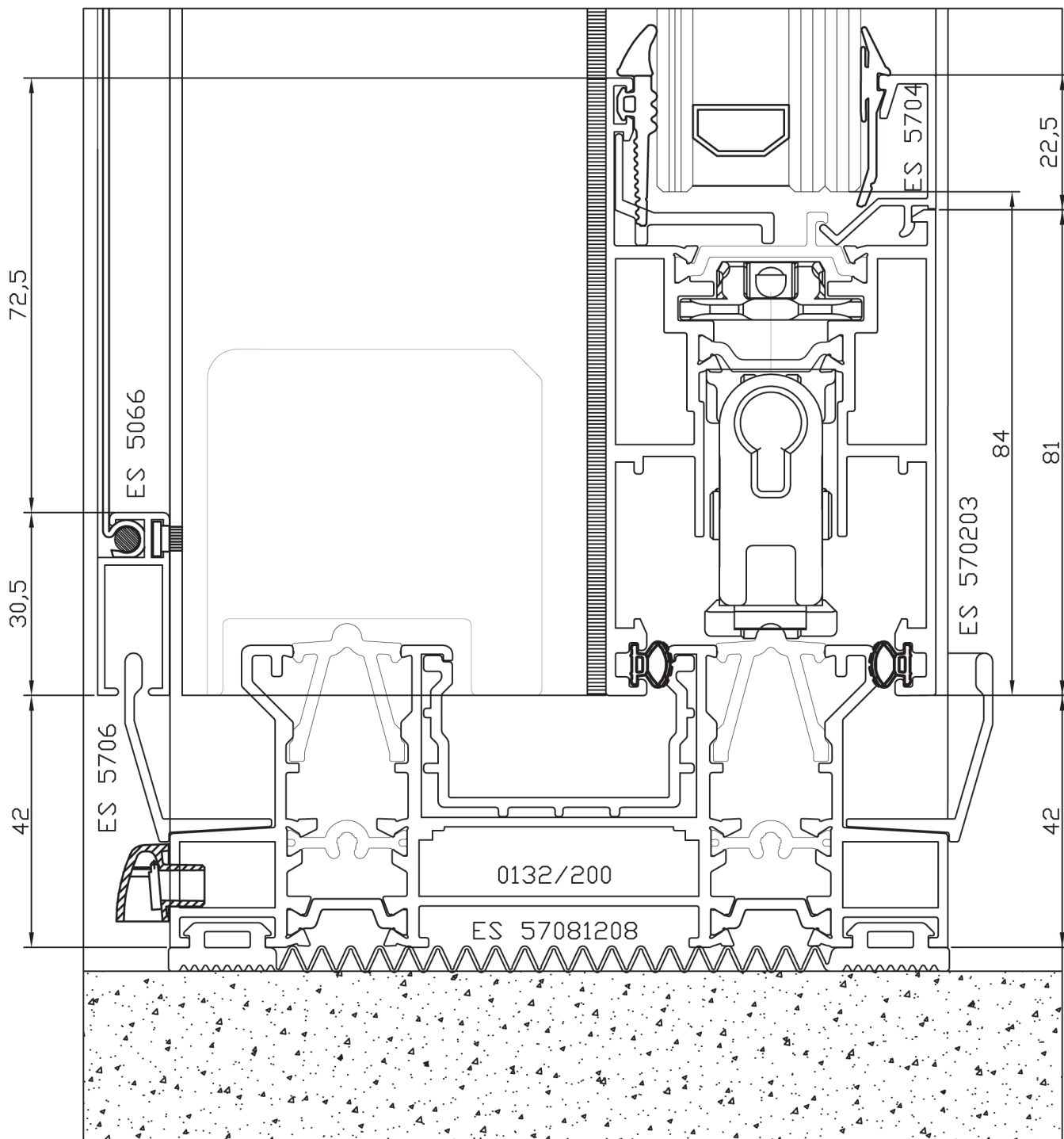
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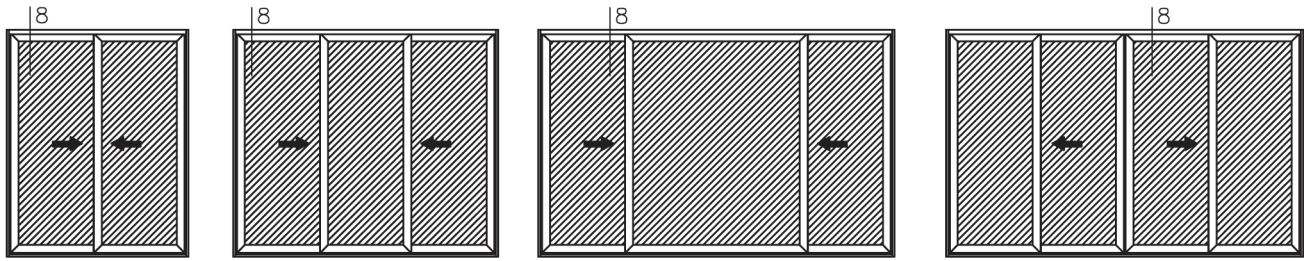
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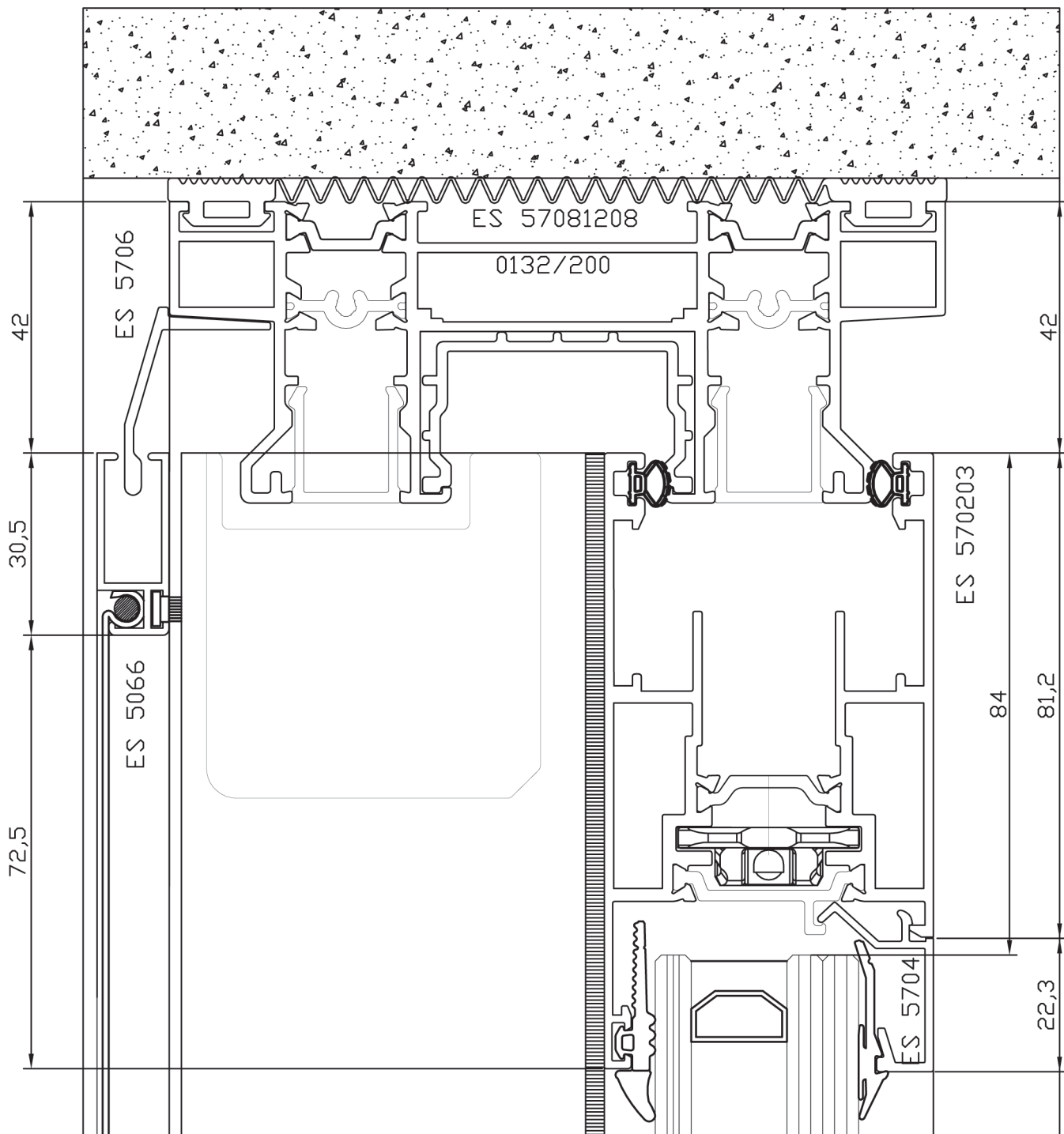
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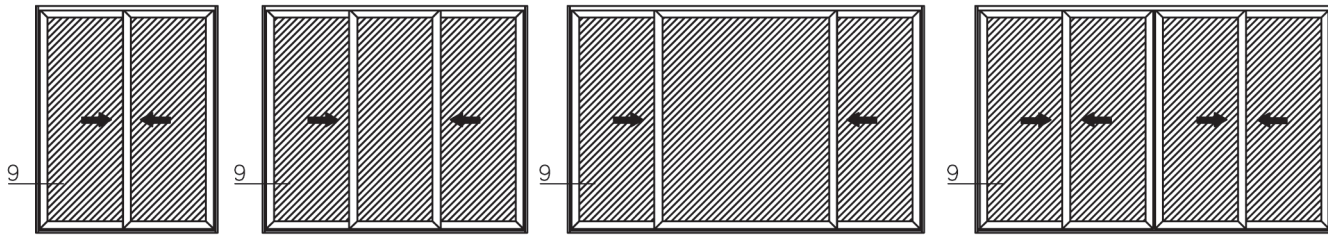


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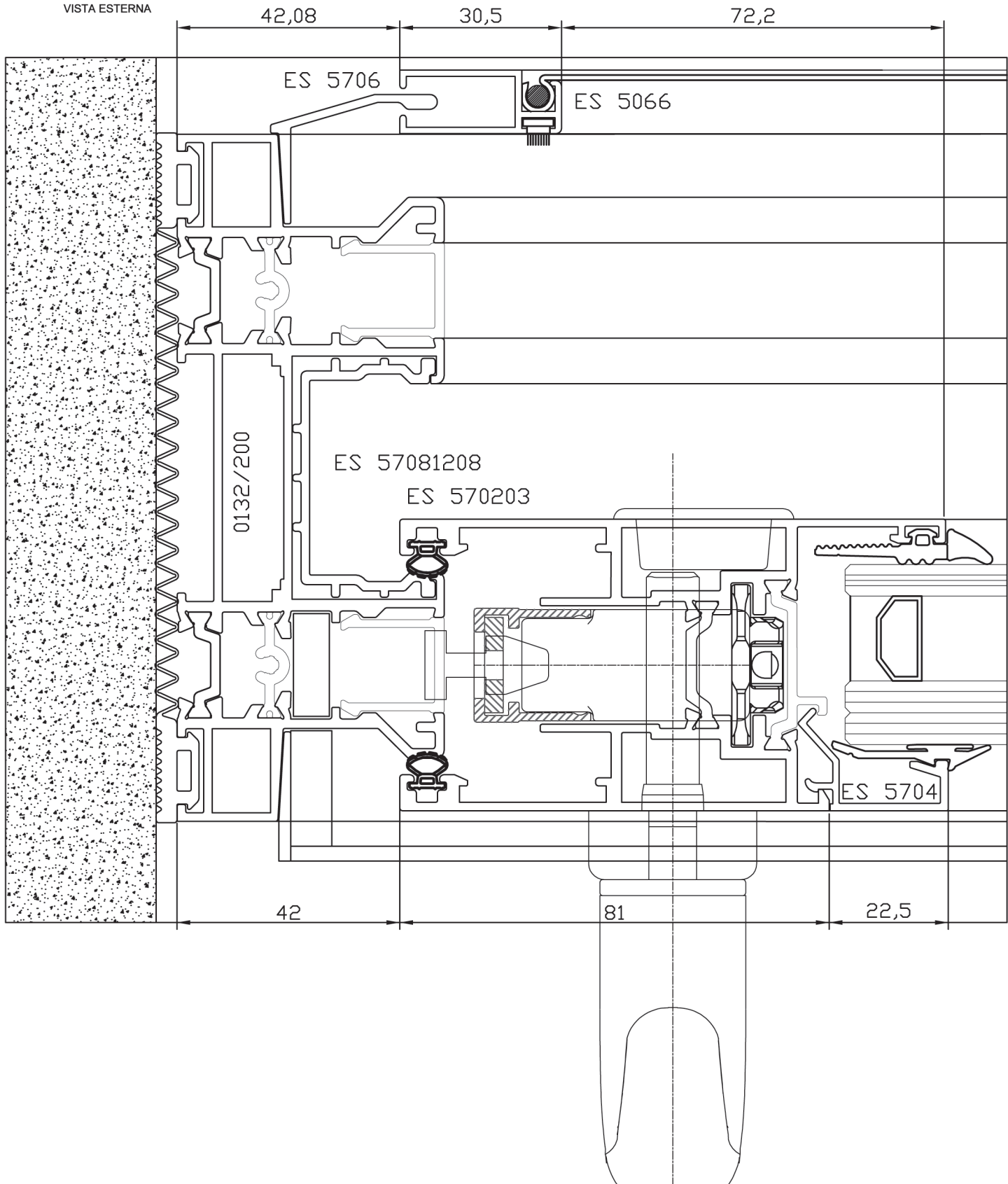


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VUE DE L'EXTERIEUR
VISTA ESTERNA

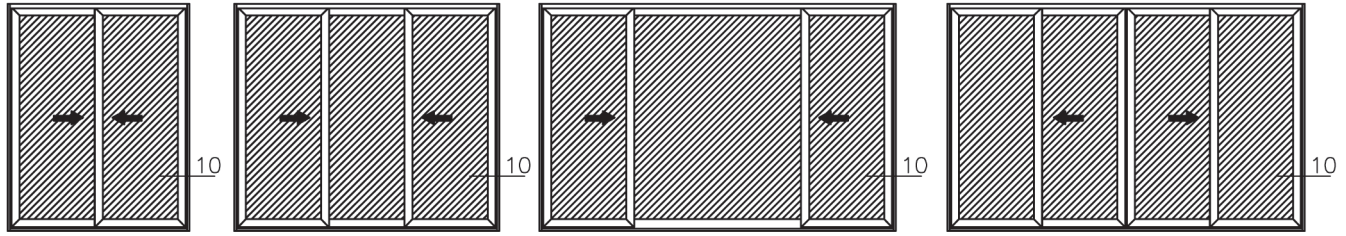




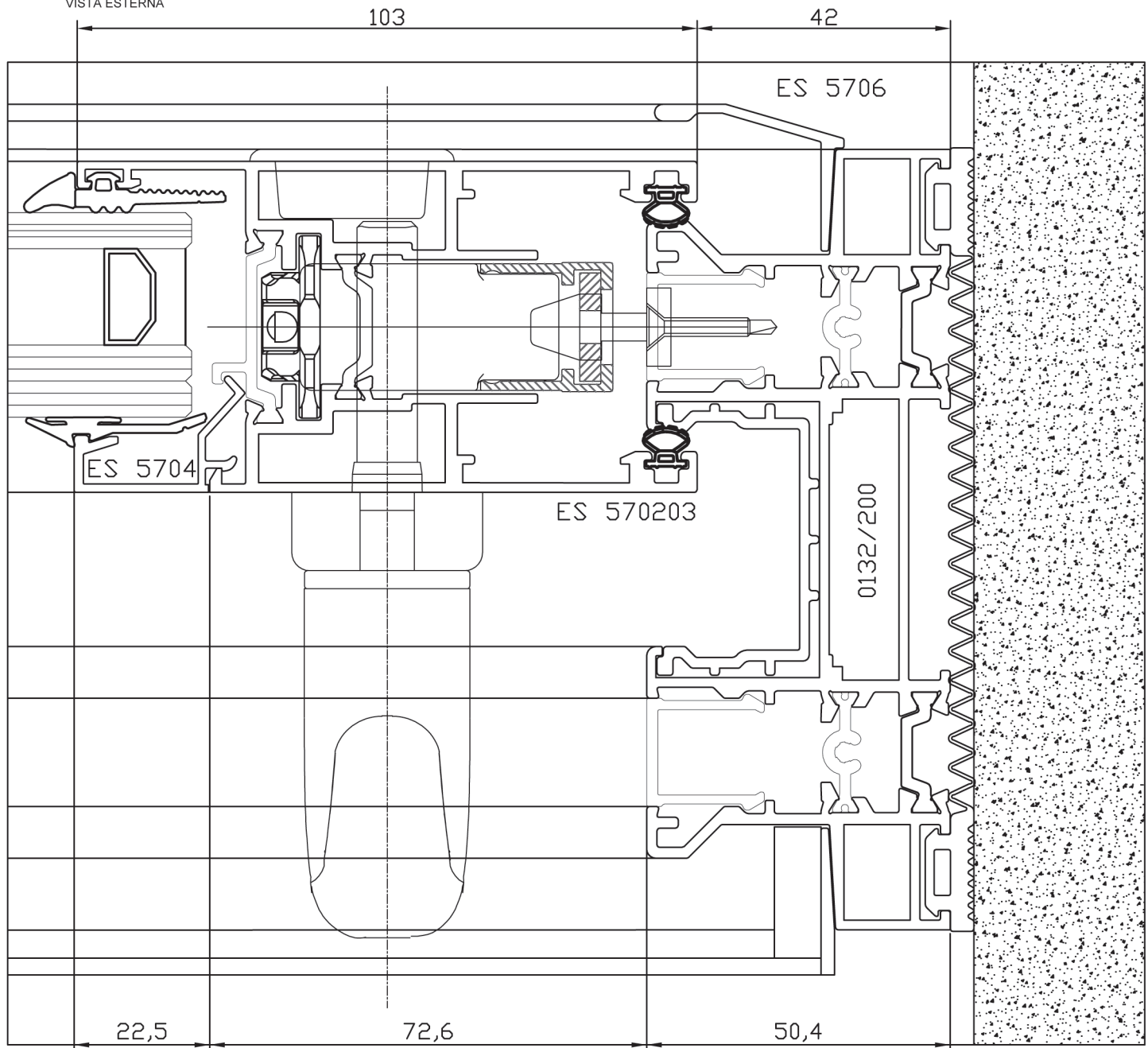
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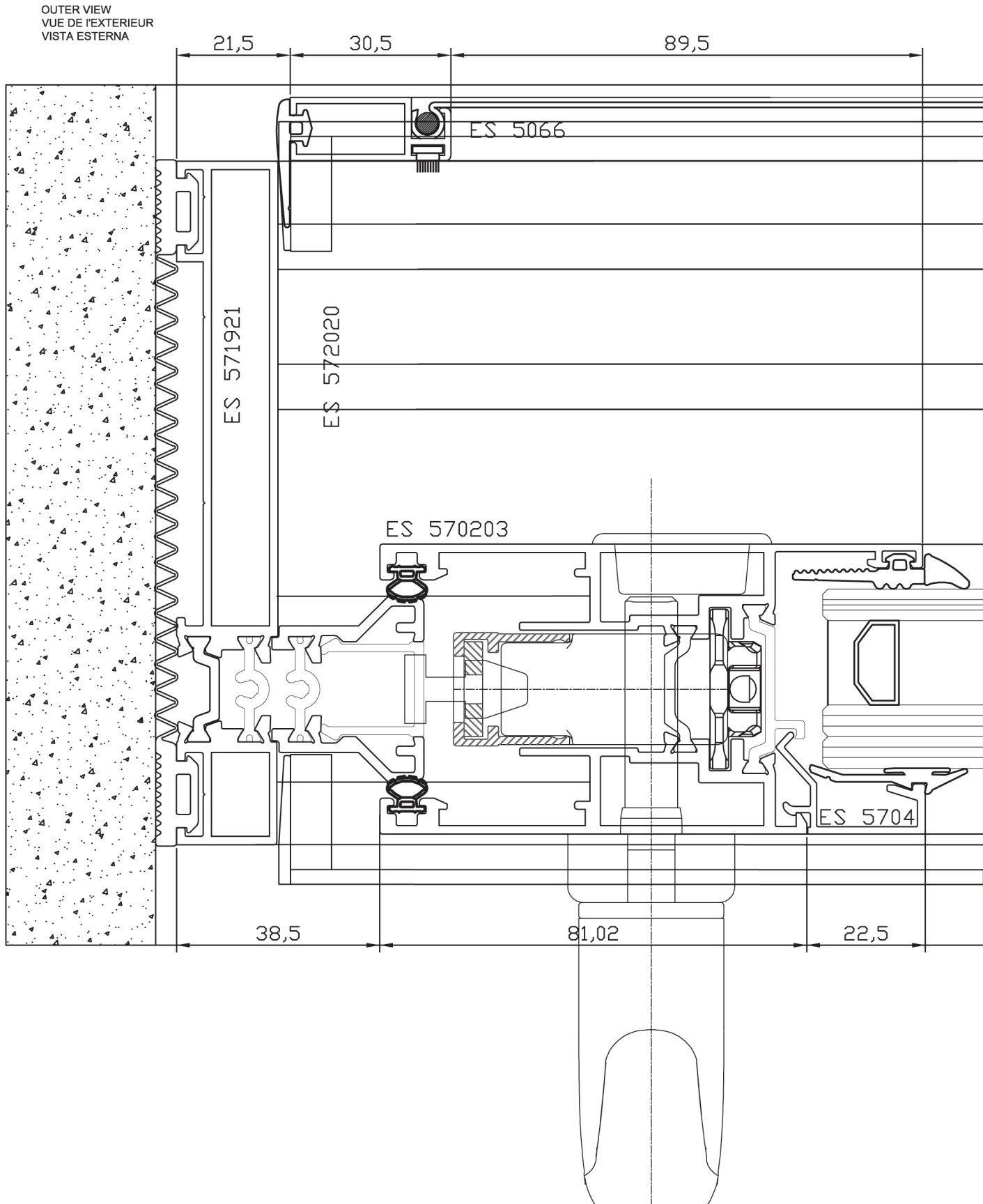
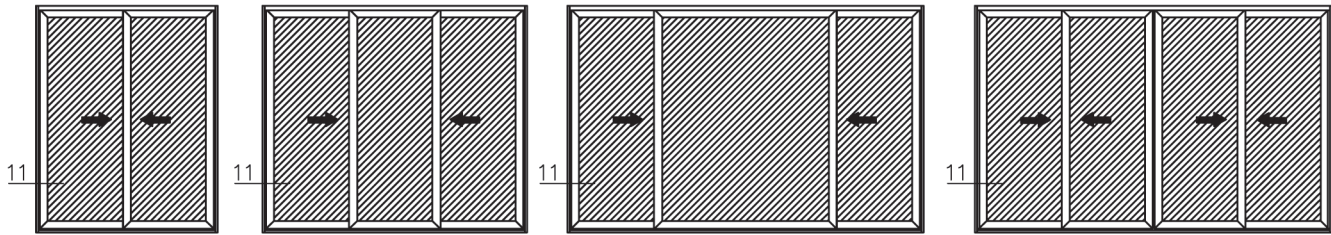


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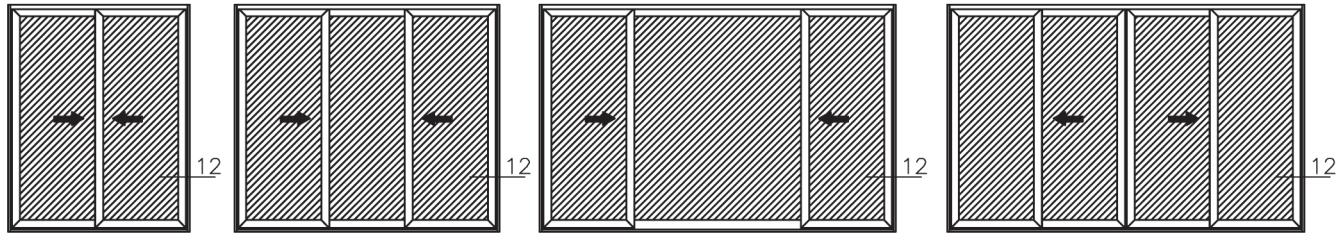


OUTER VIEW
VUE DE L'EXTERIEUR
VISTA ESTERNA

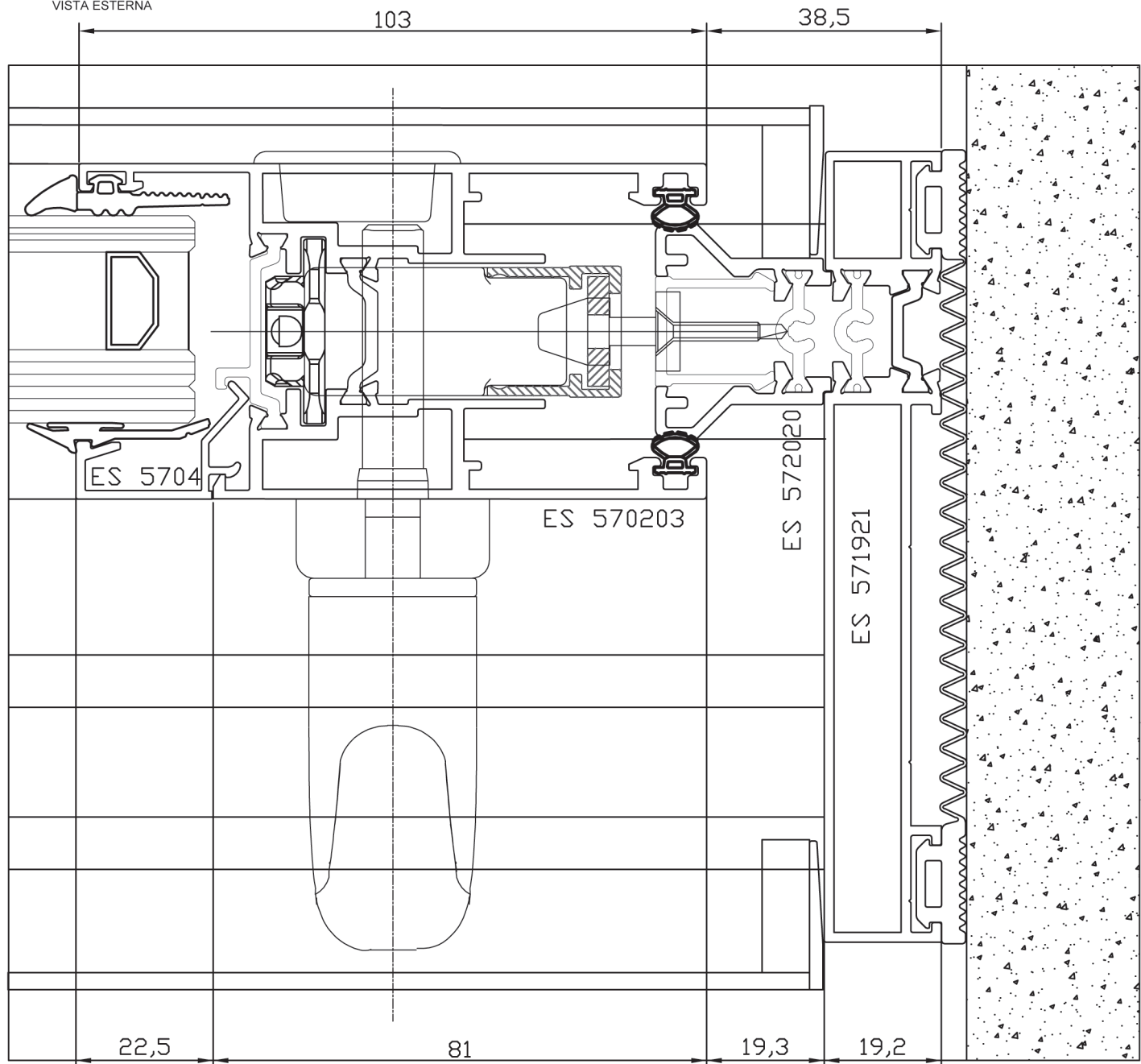




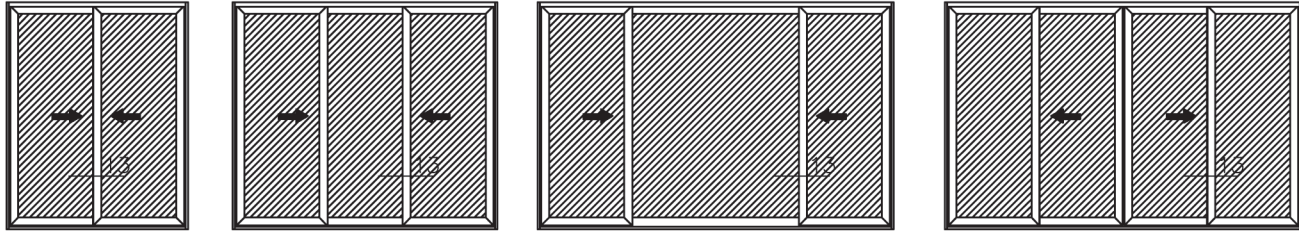
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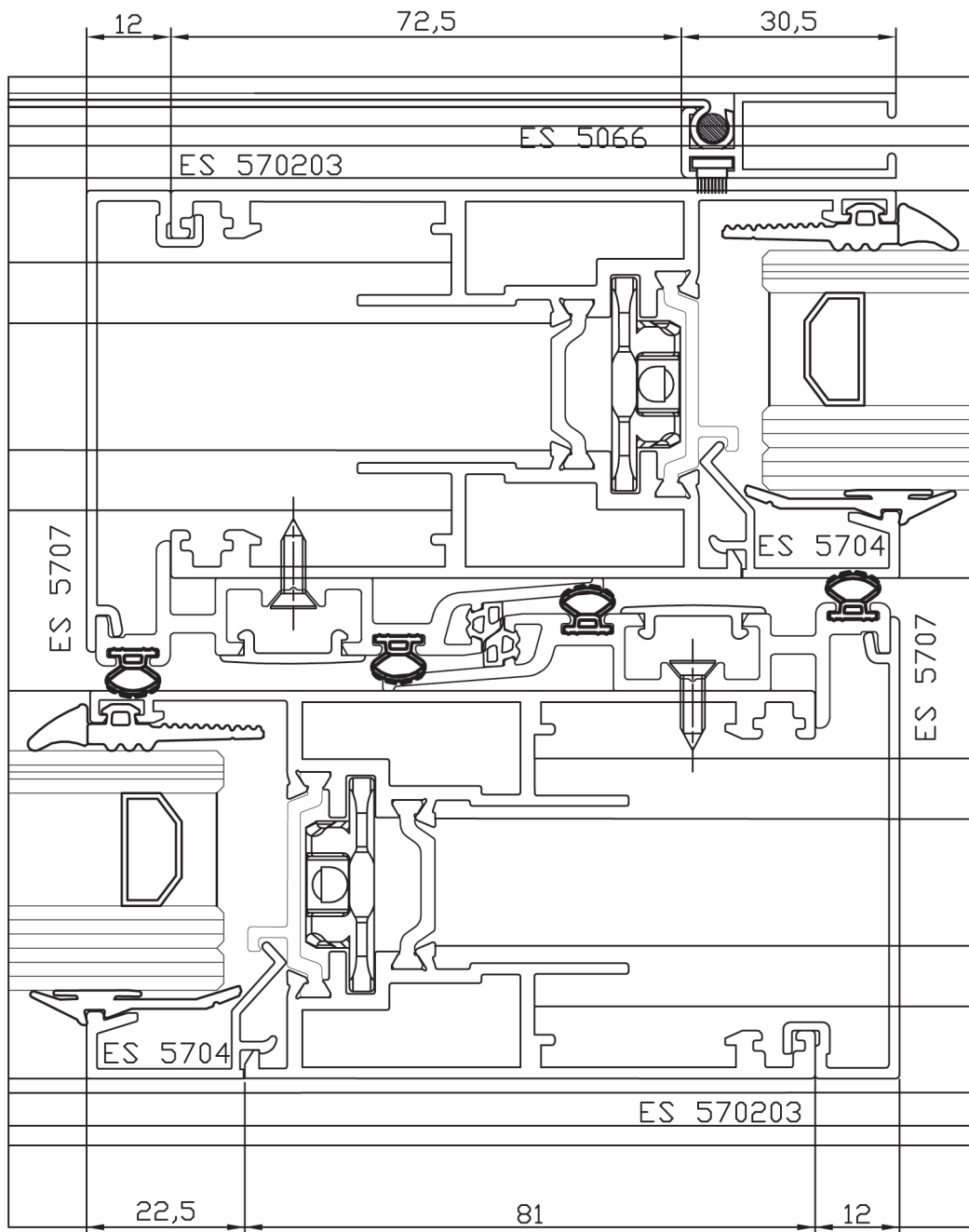
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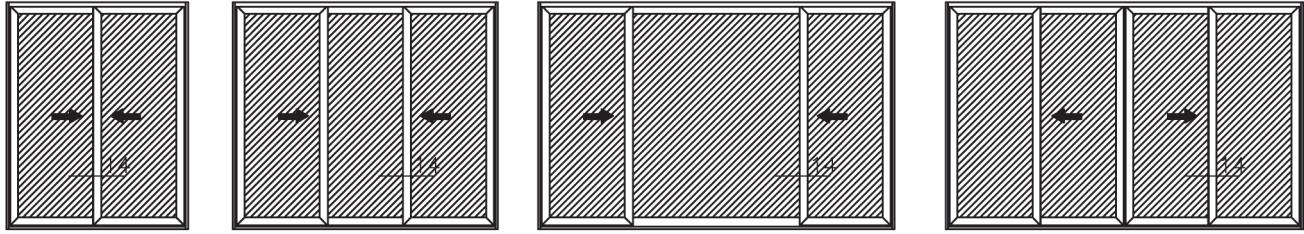
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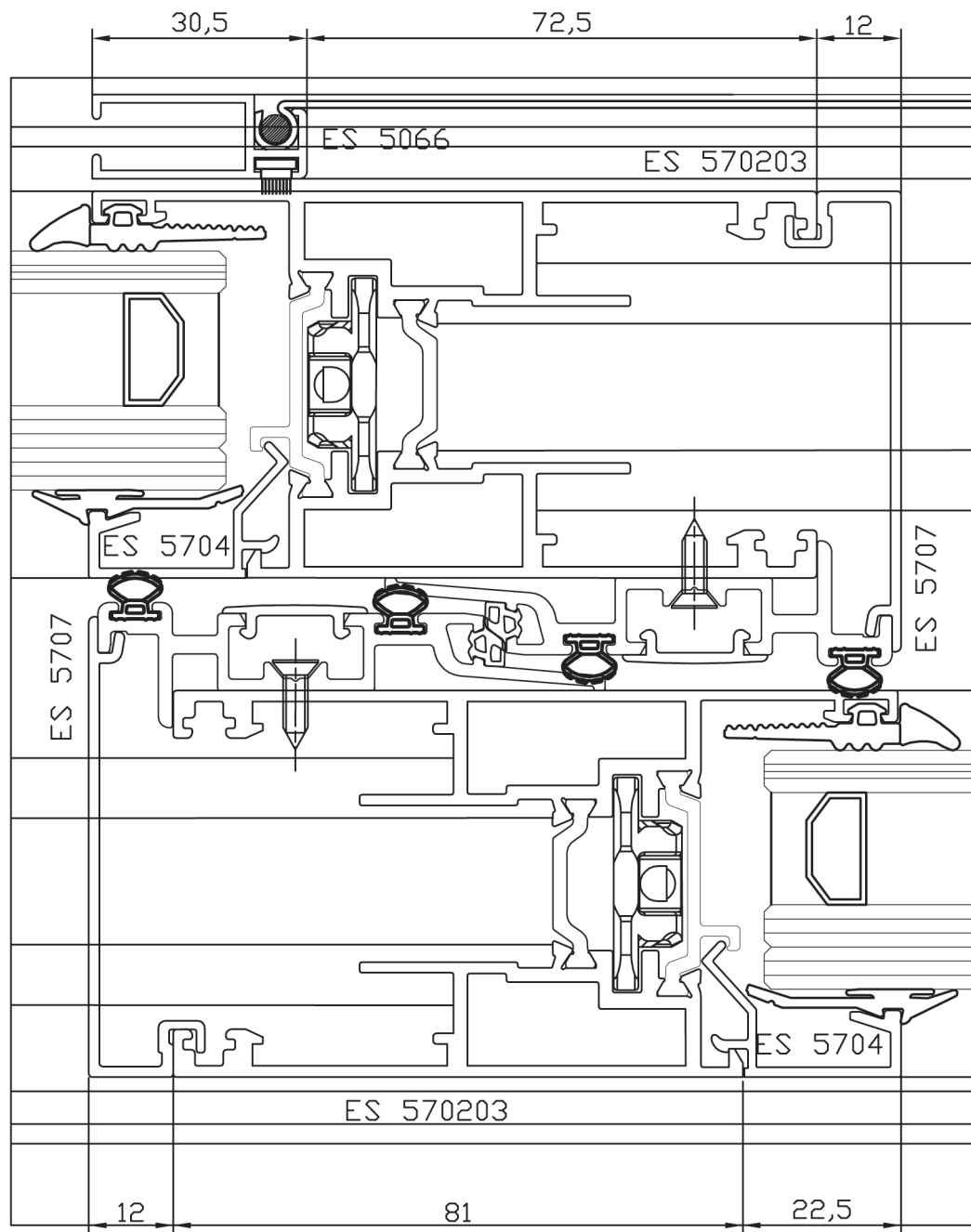
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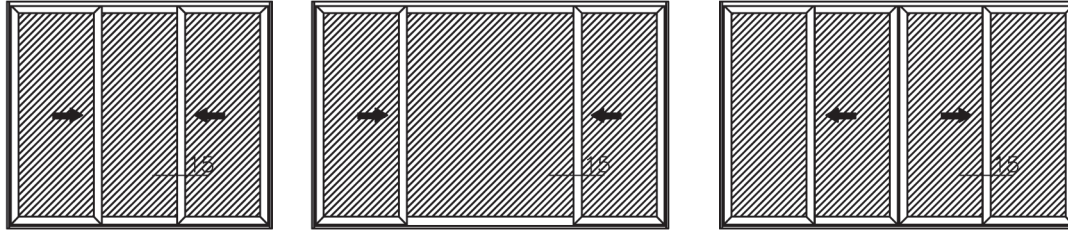
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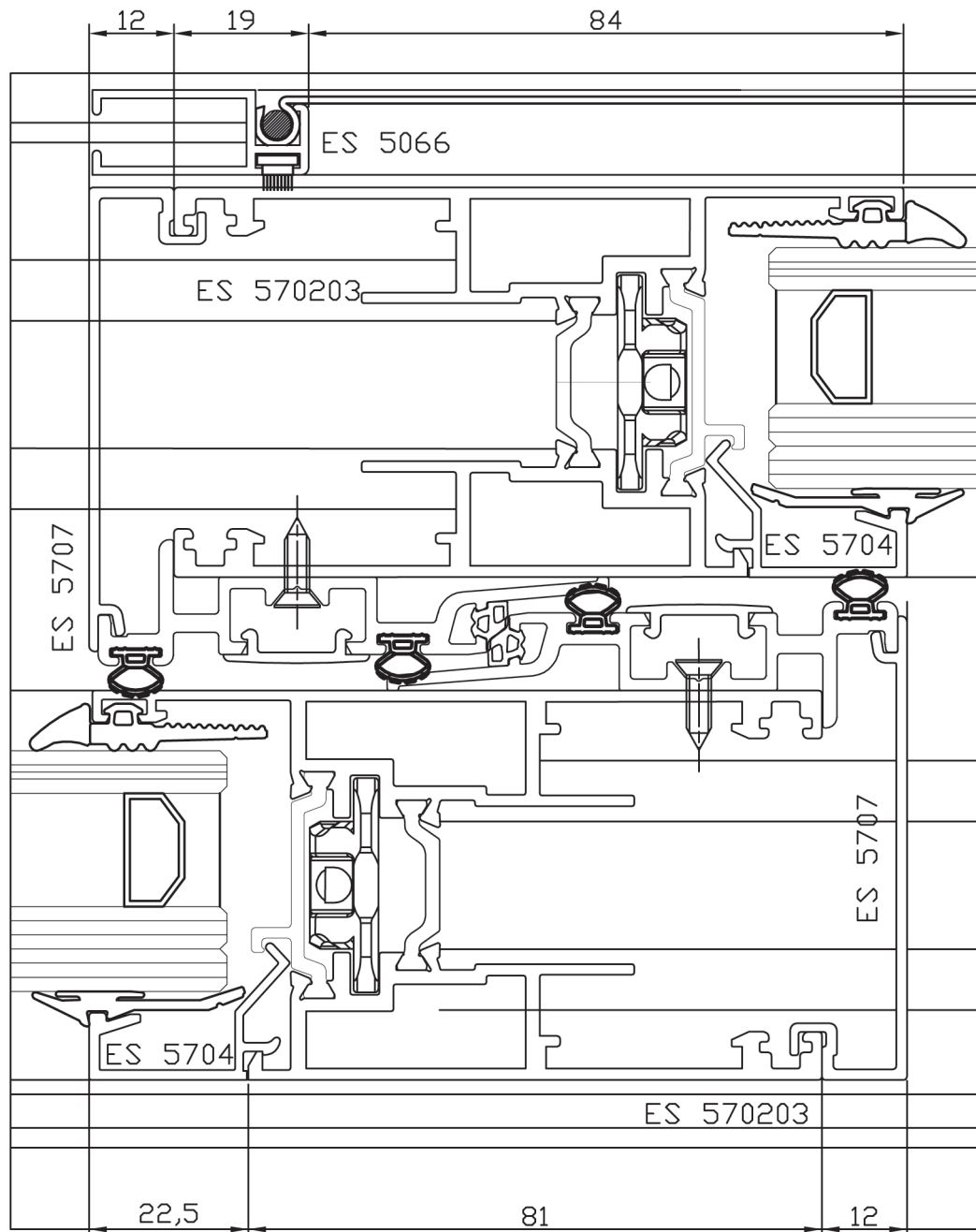
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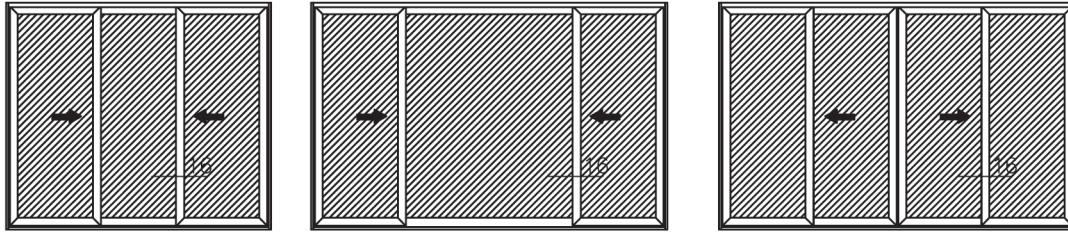
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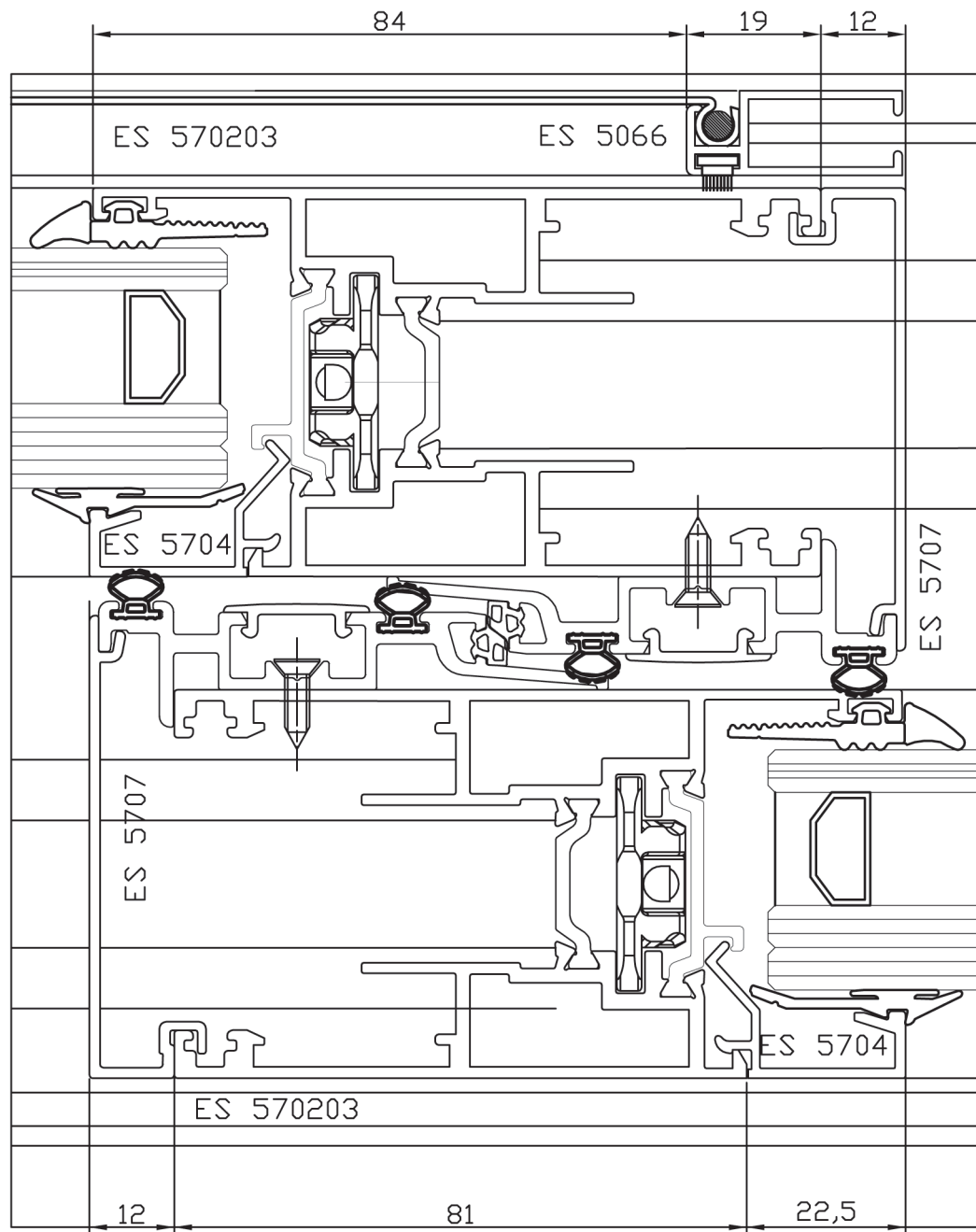
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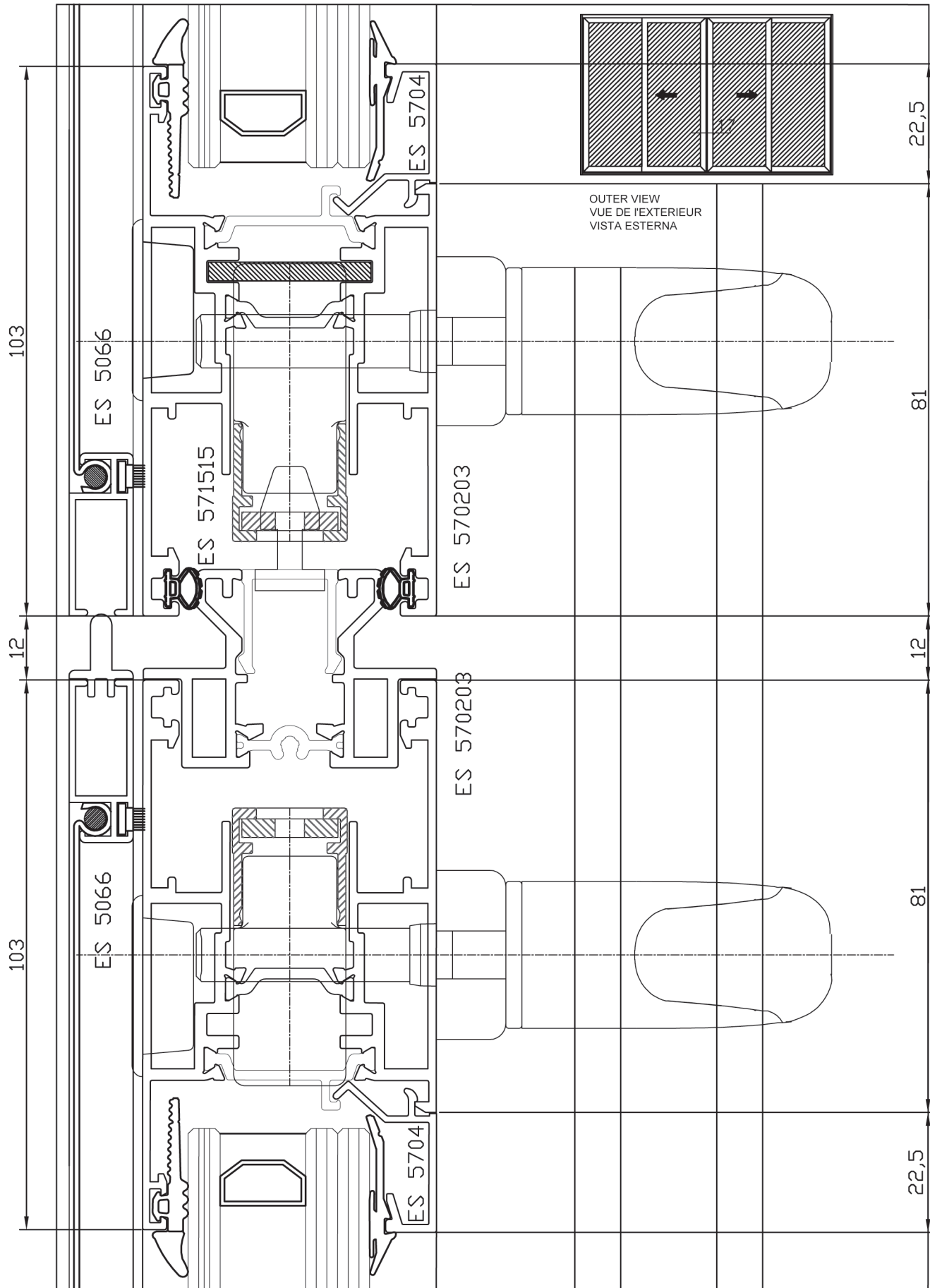
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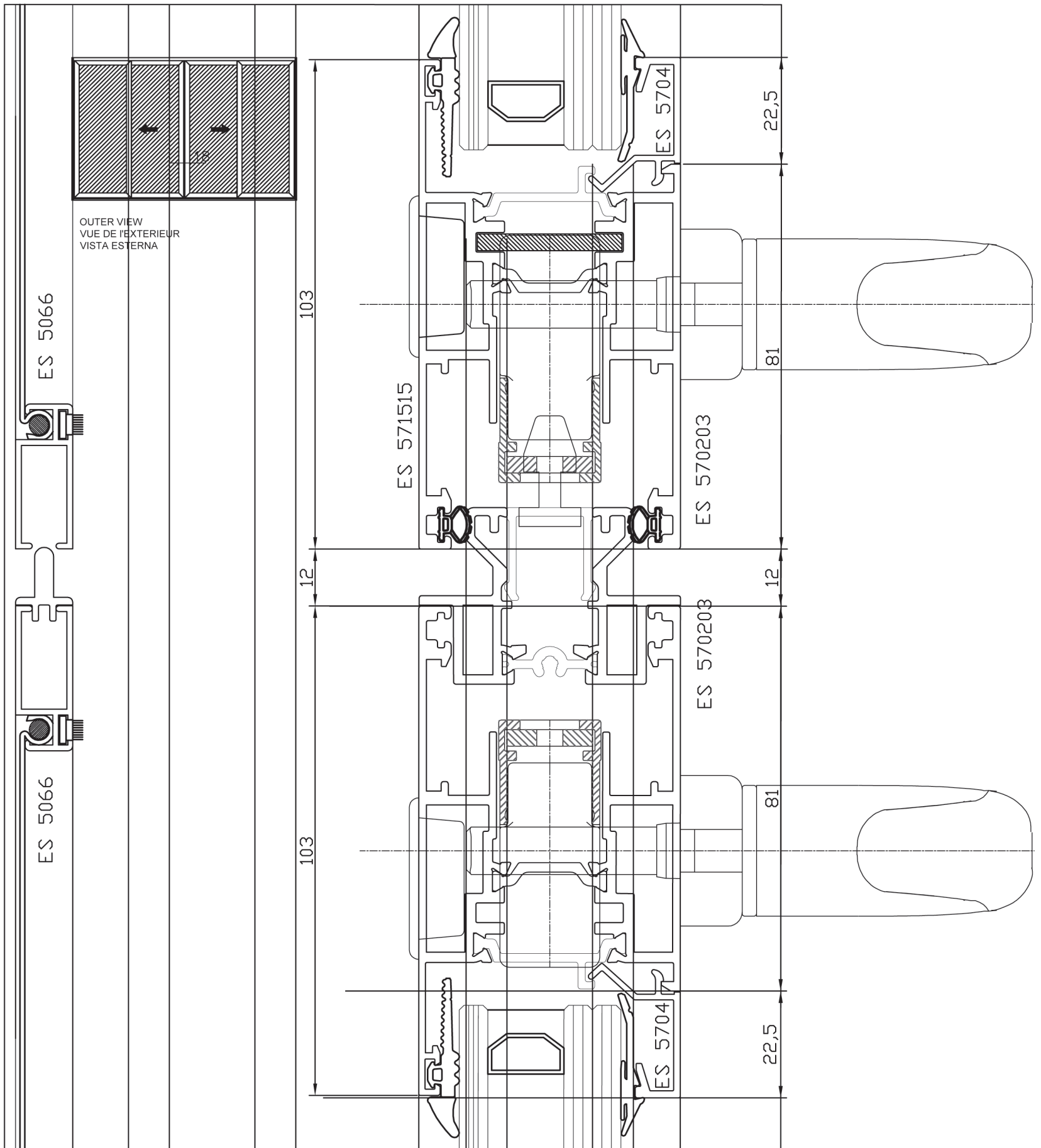
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VUE DE L'EXTERIEUR
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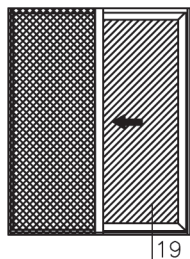
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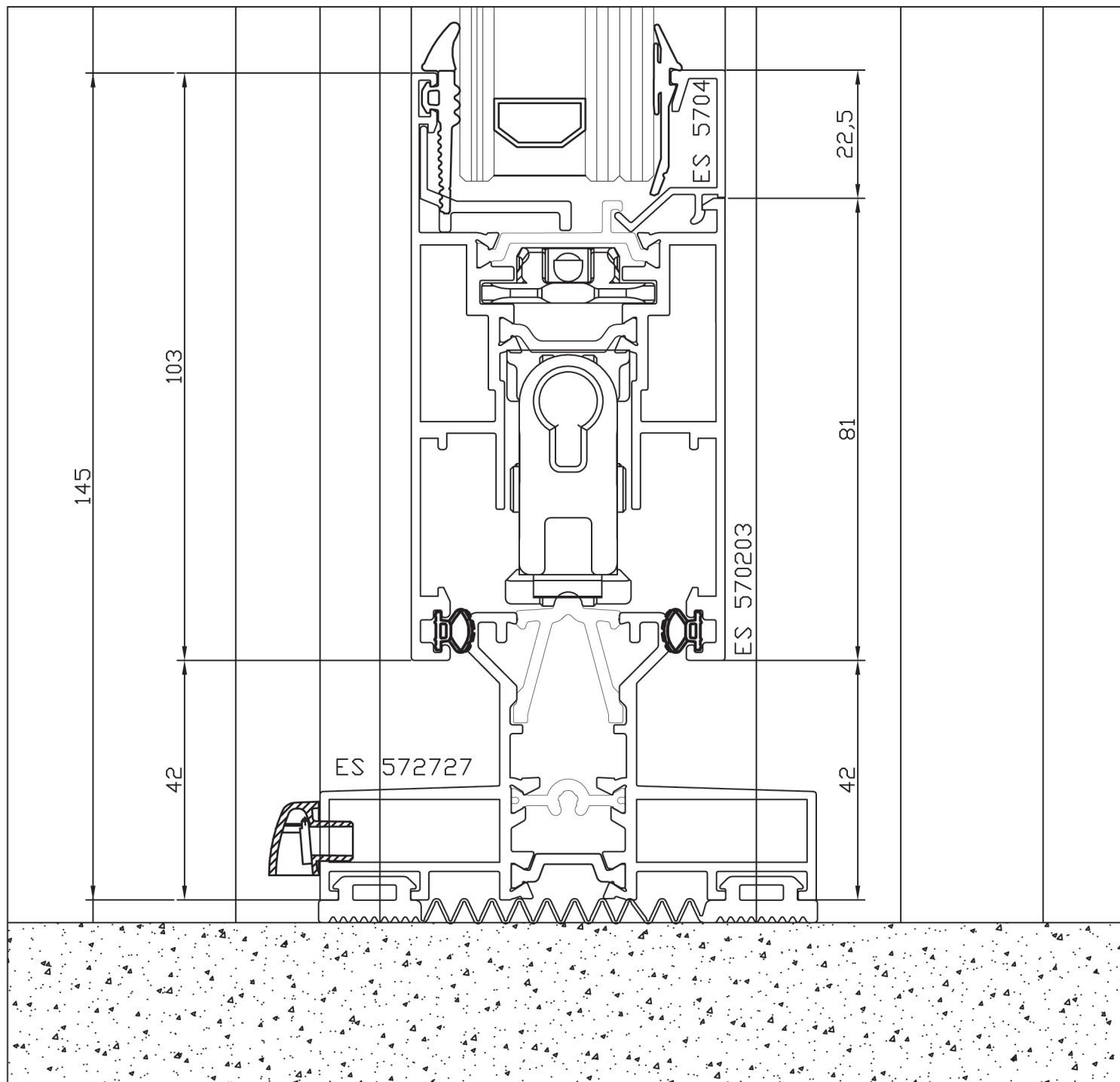
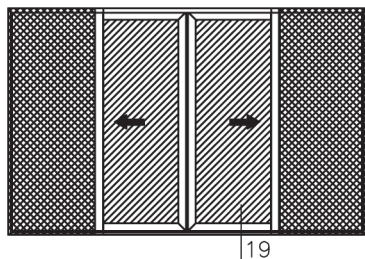
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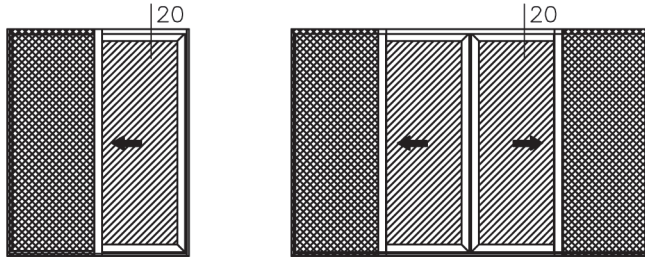
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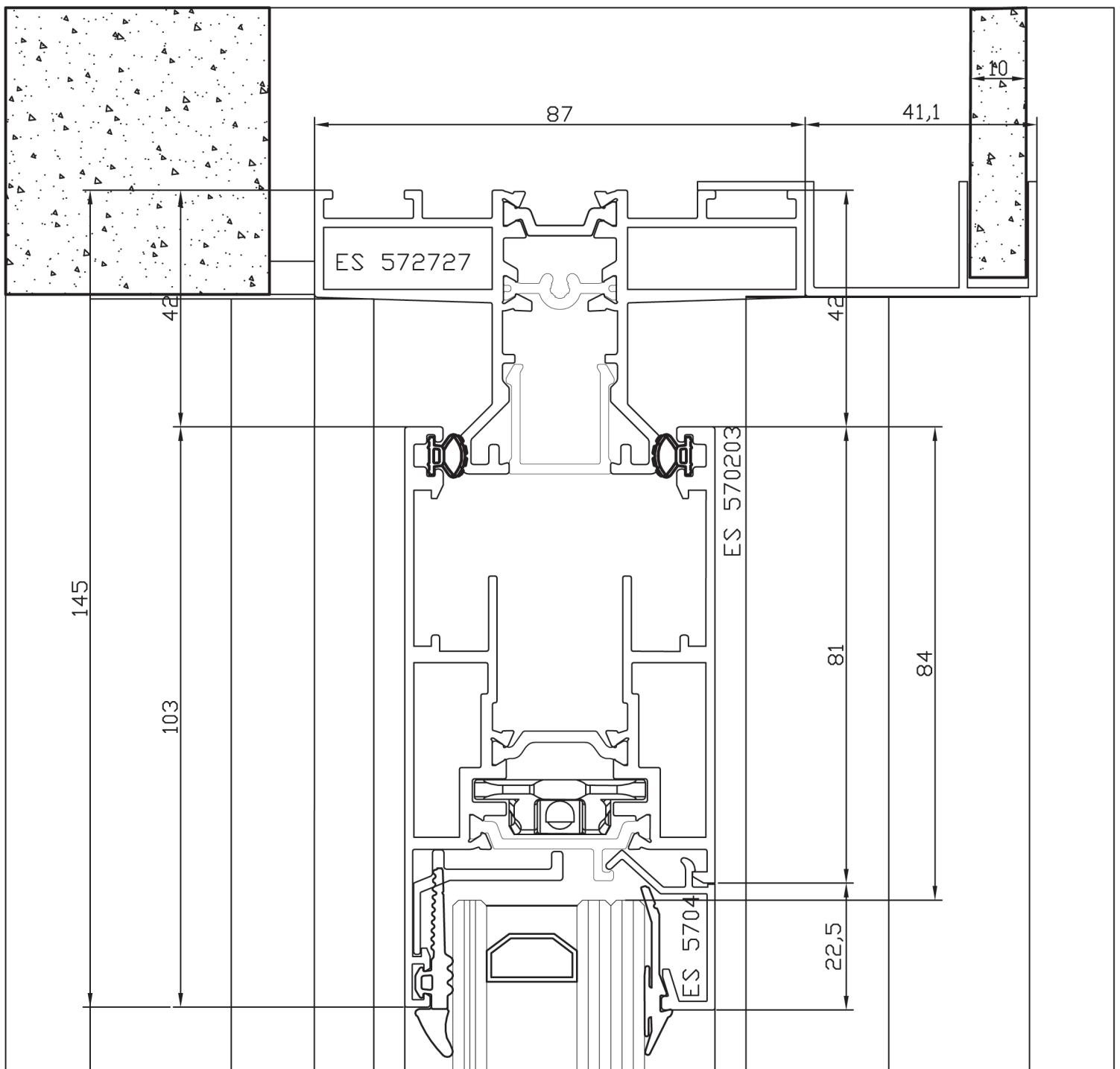
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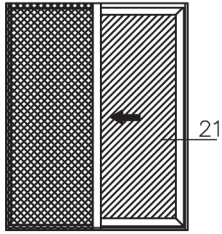
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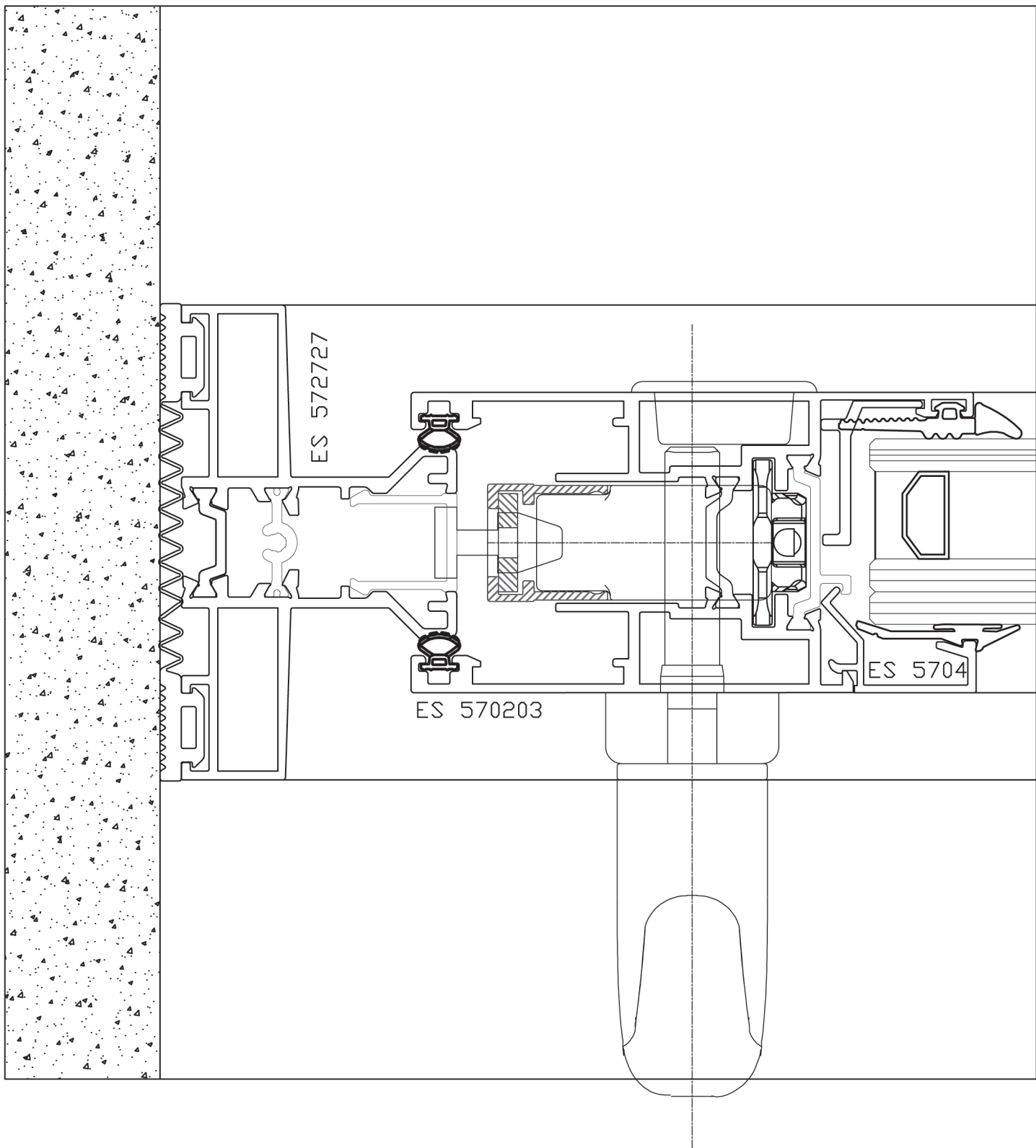
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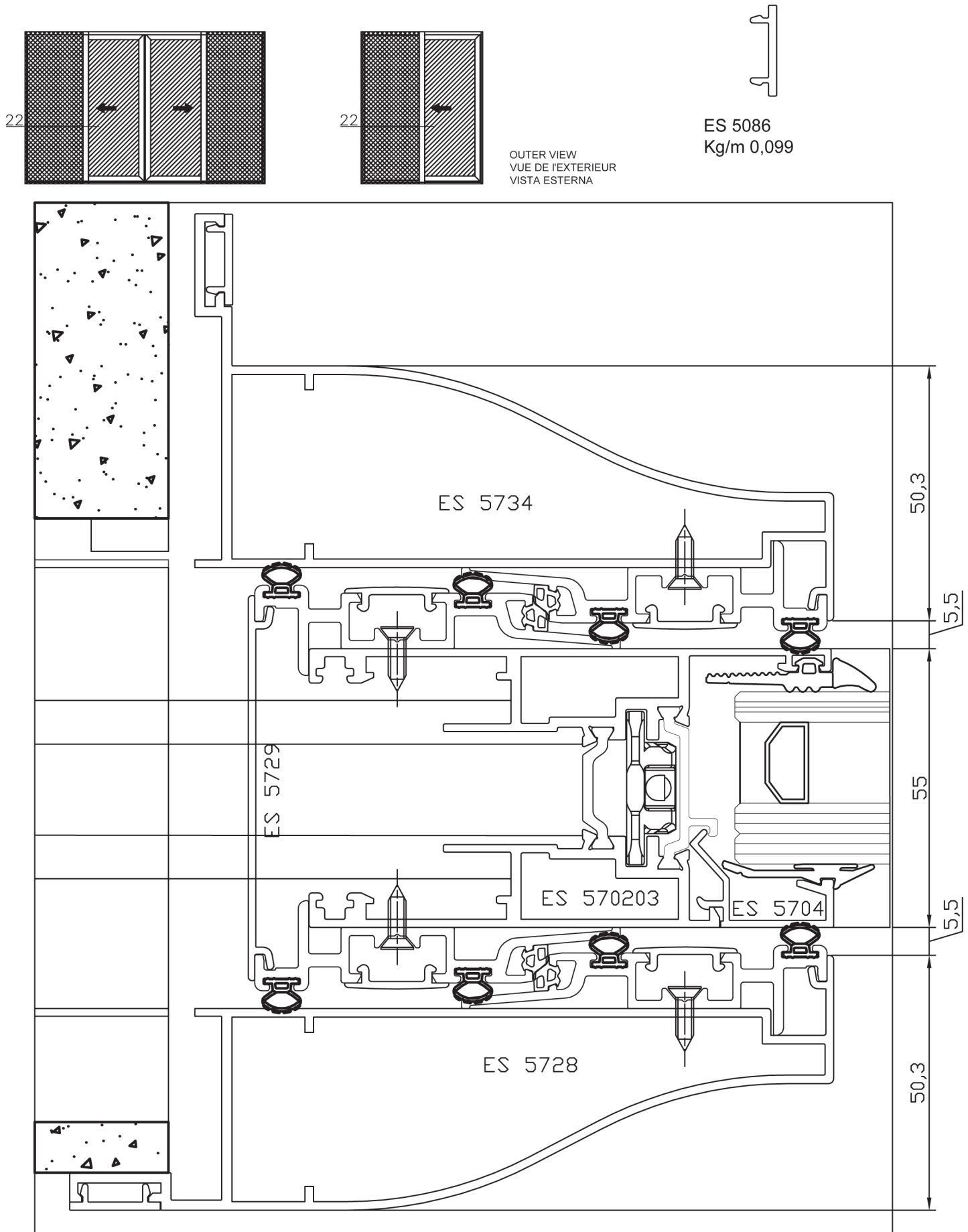
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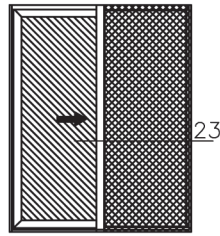
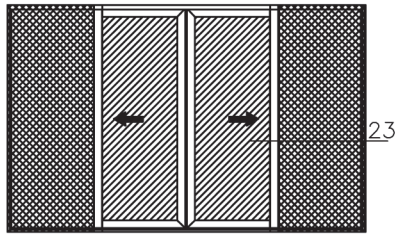
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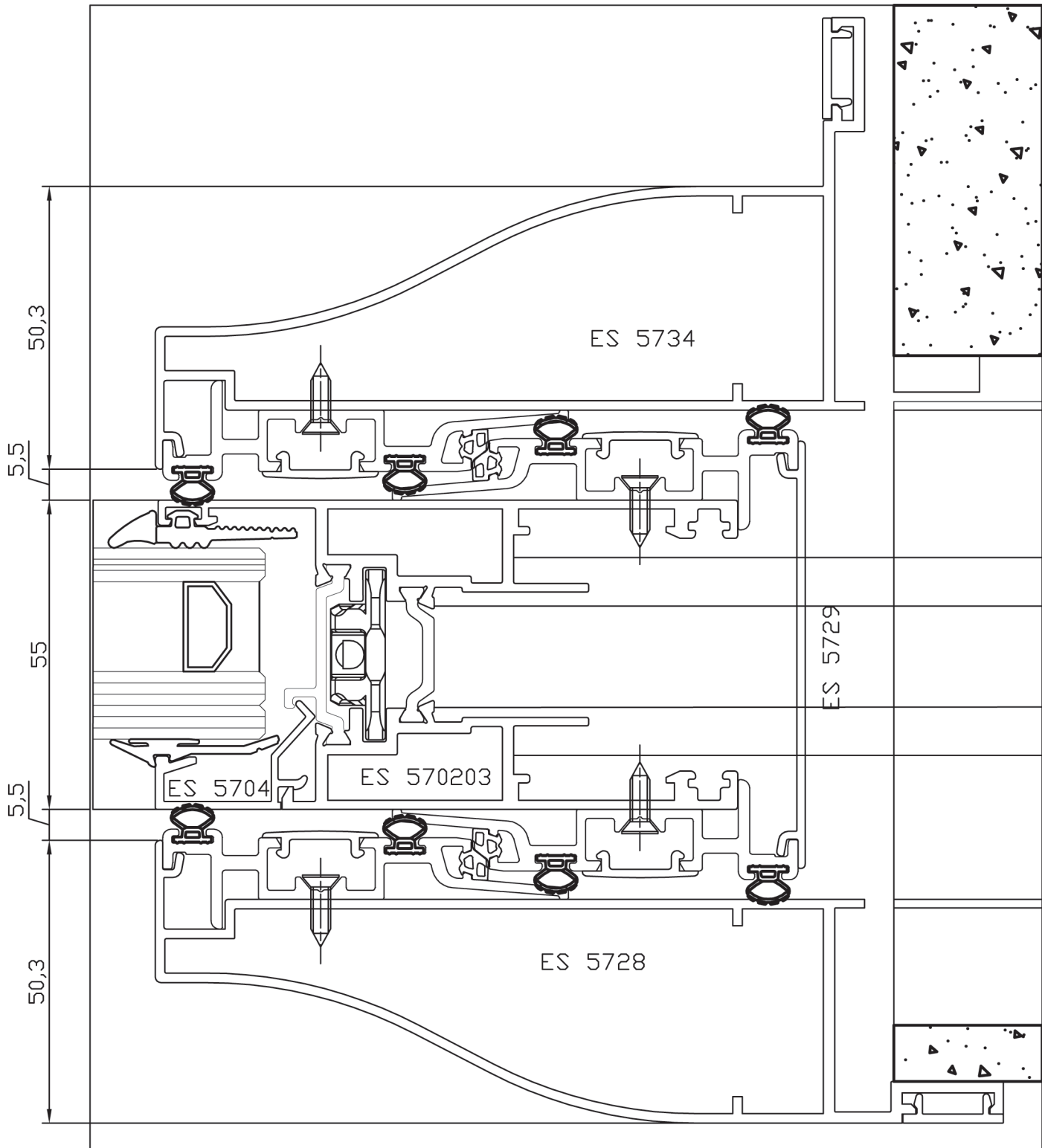
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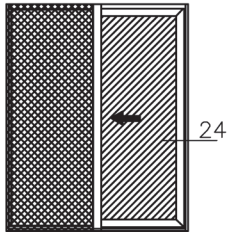
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VUE DE L'EXTERIEUR
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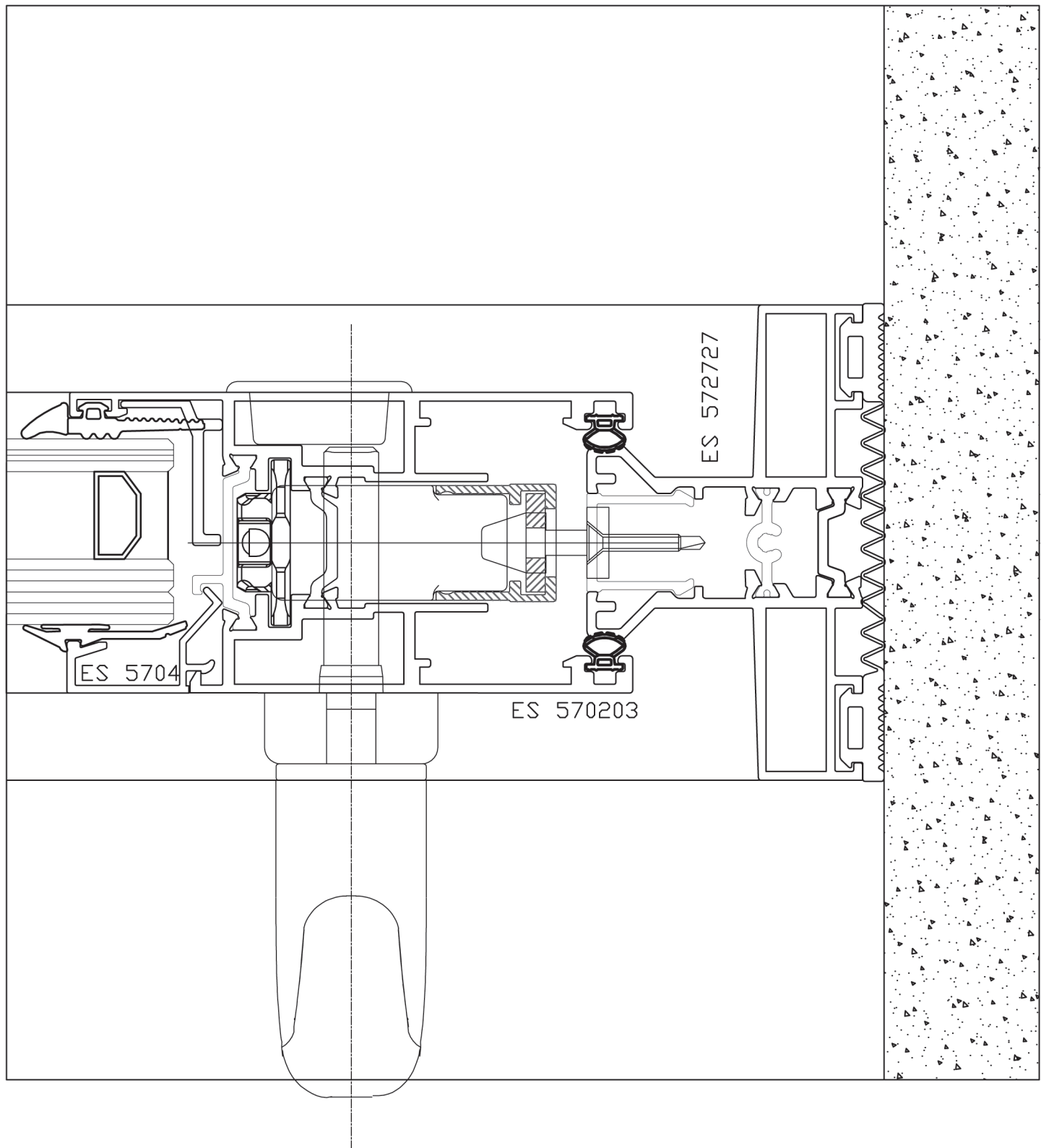
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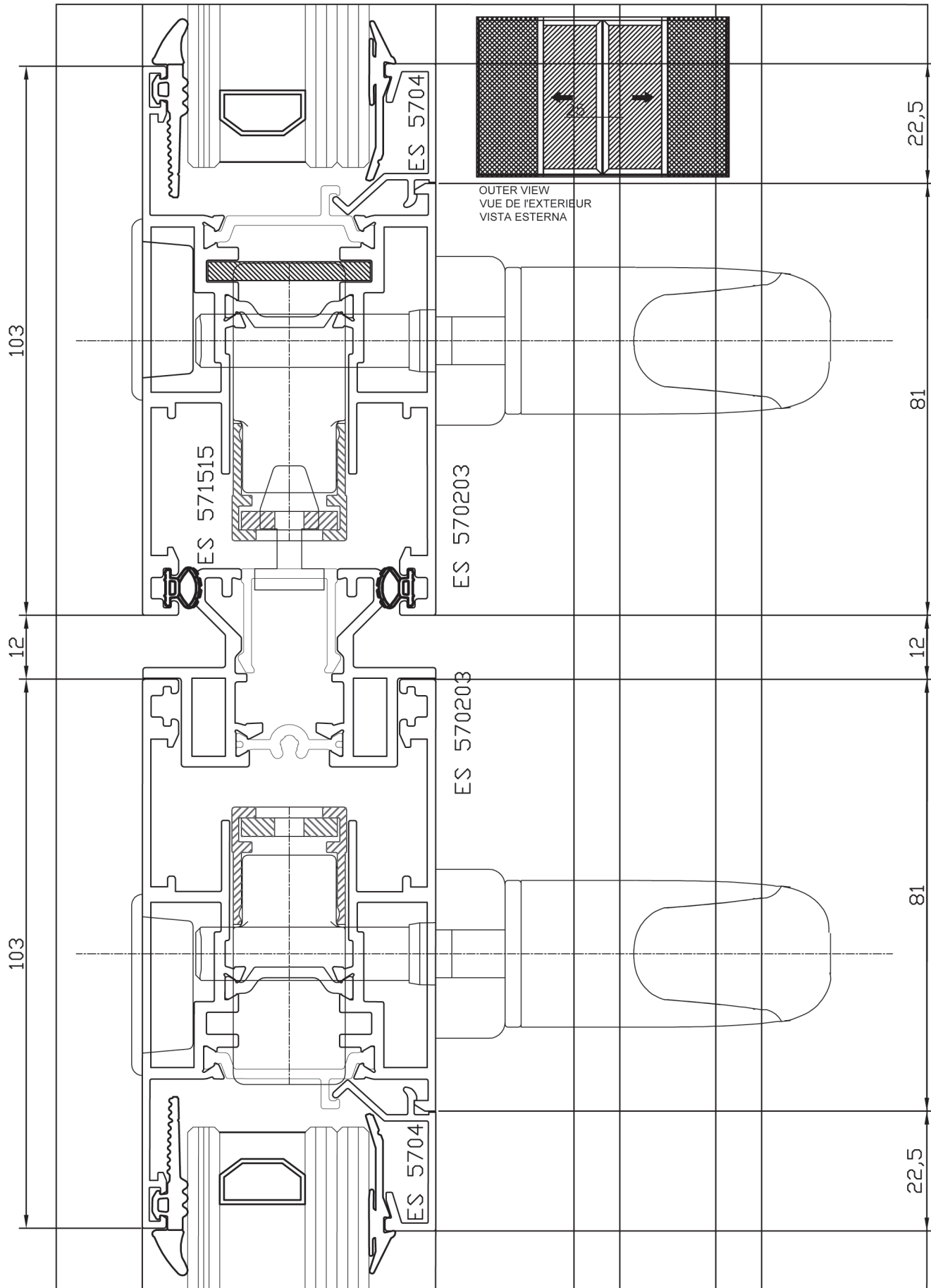
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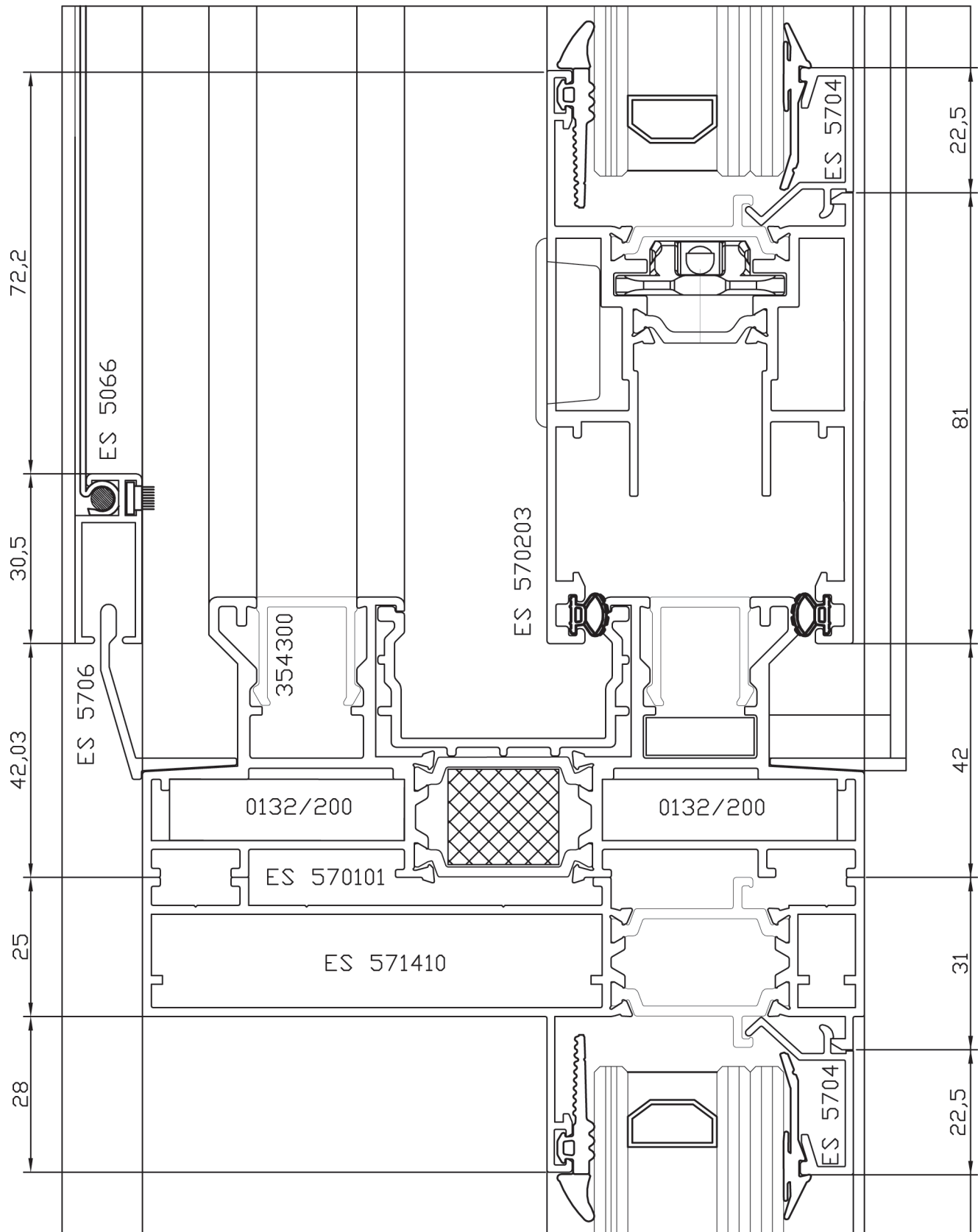
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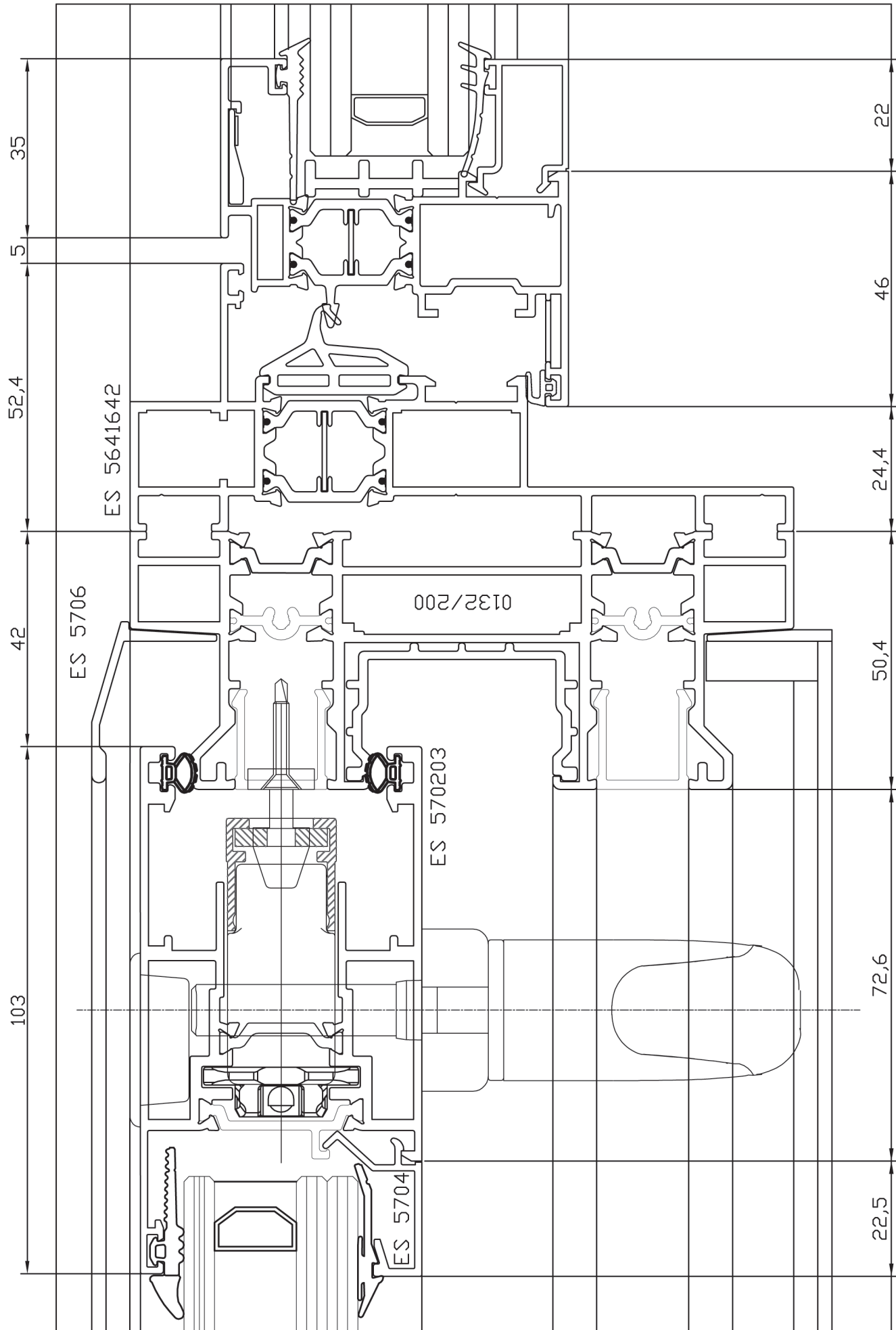
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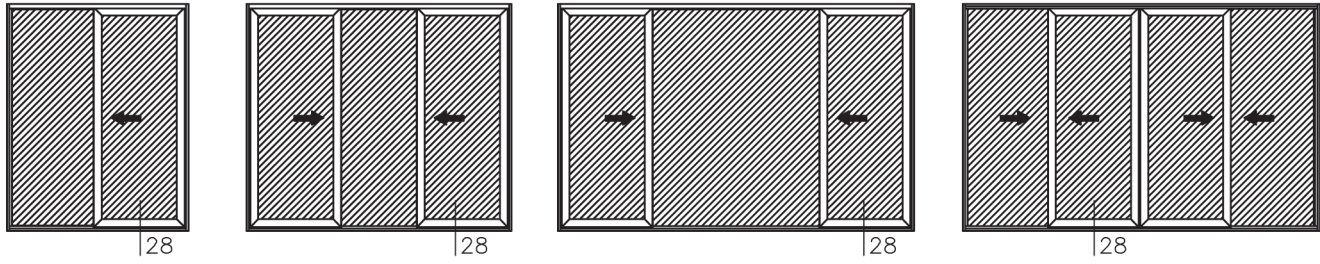
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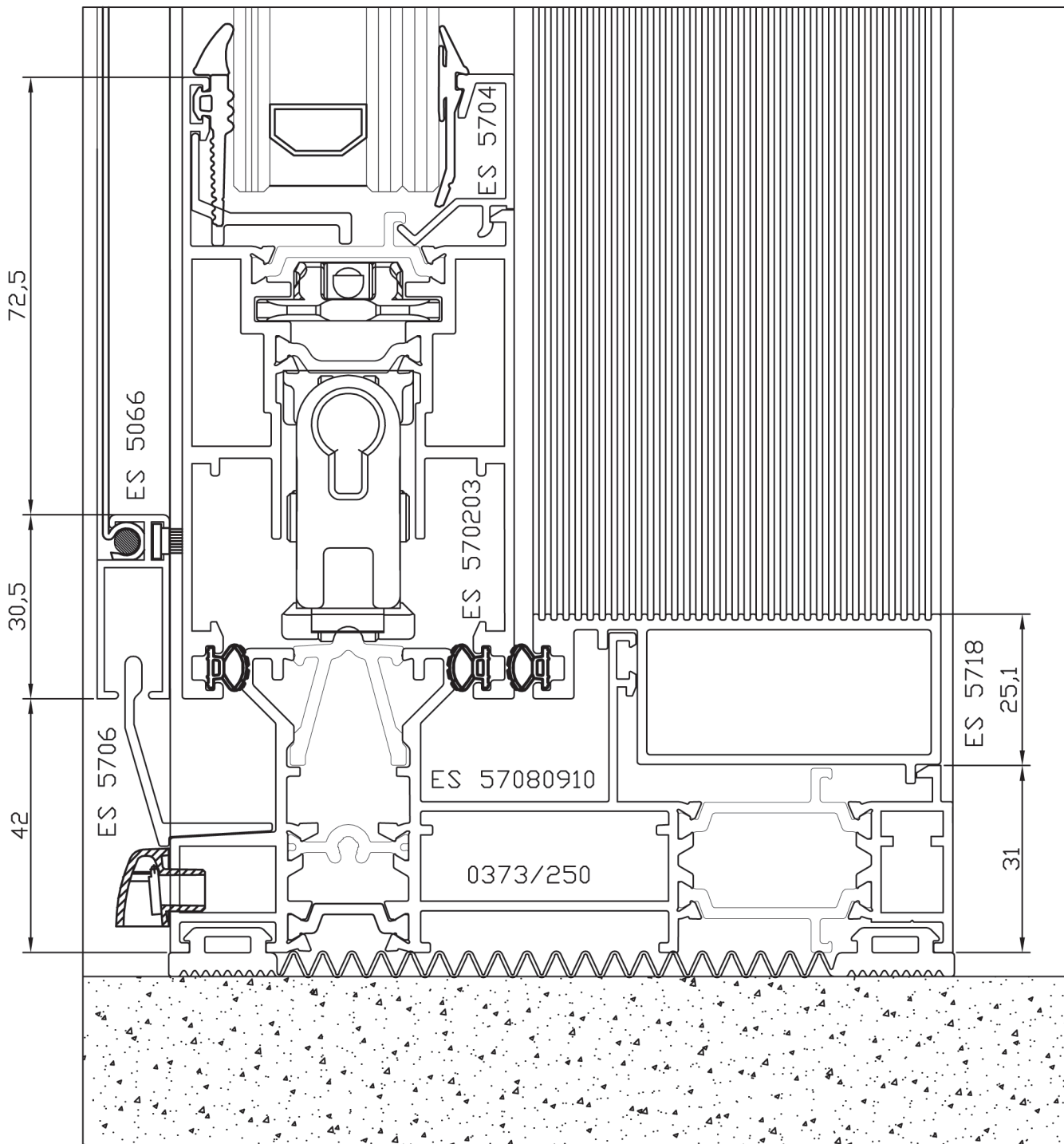
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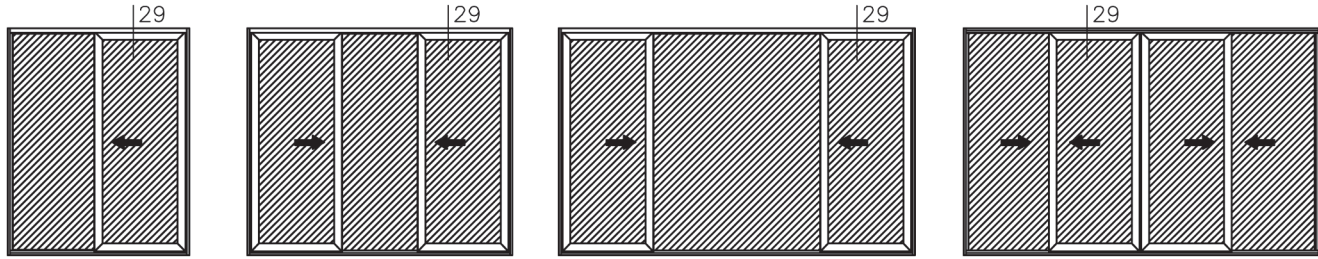
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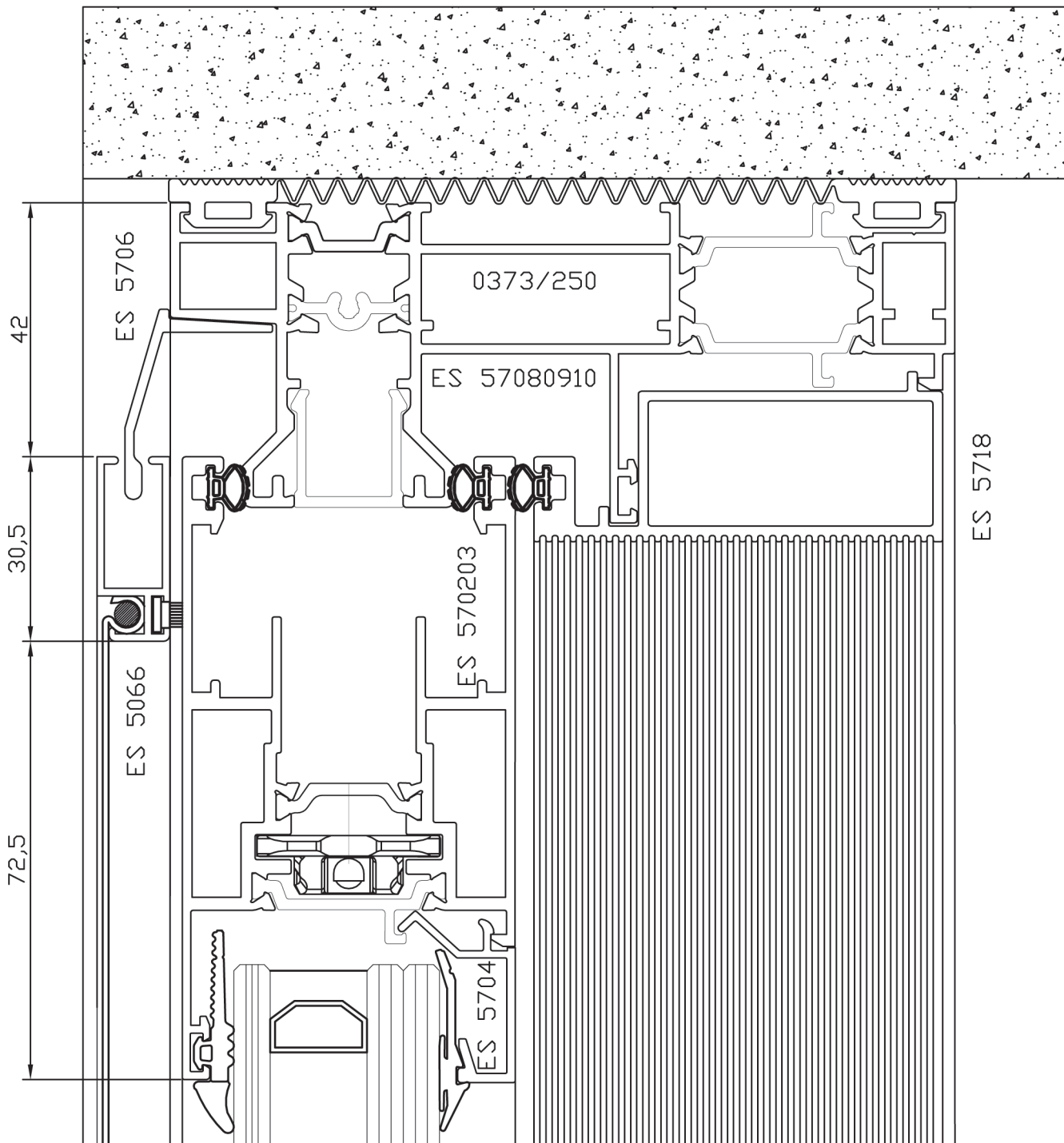
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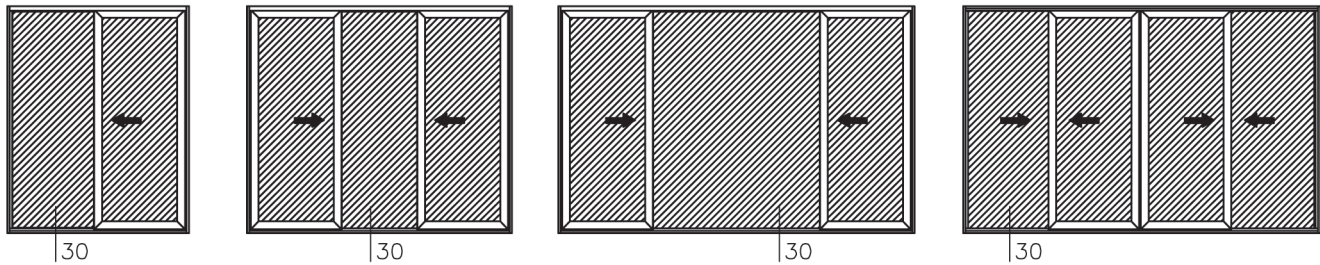
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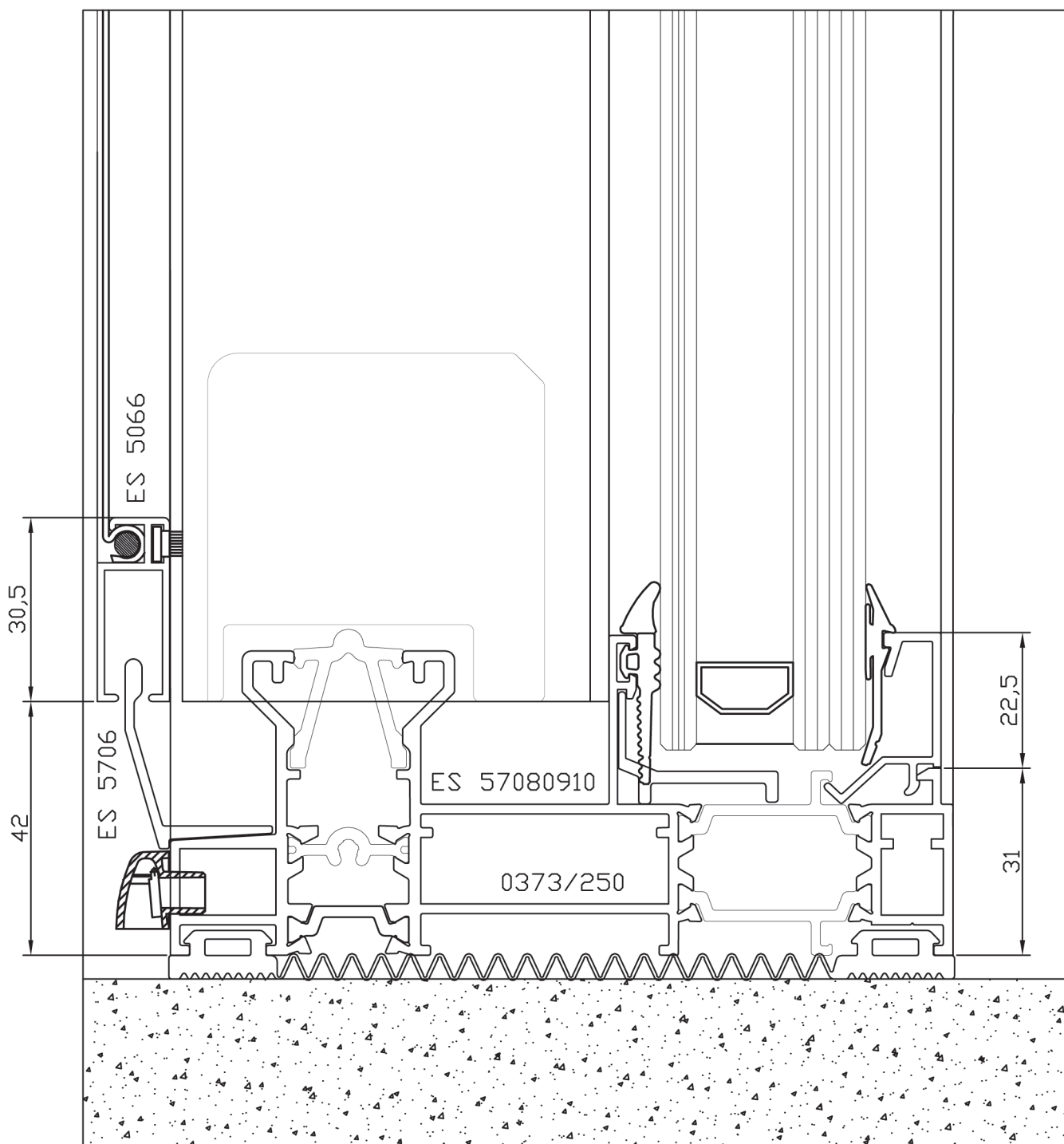
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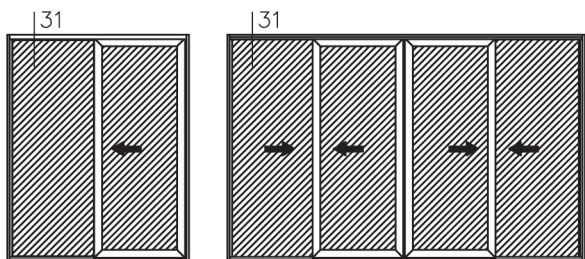
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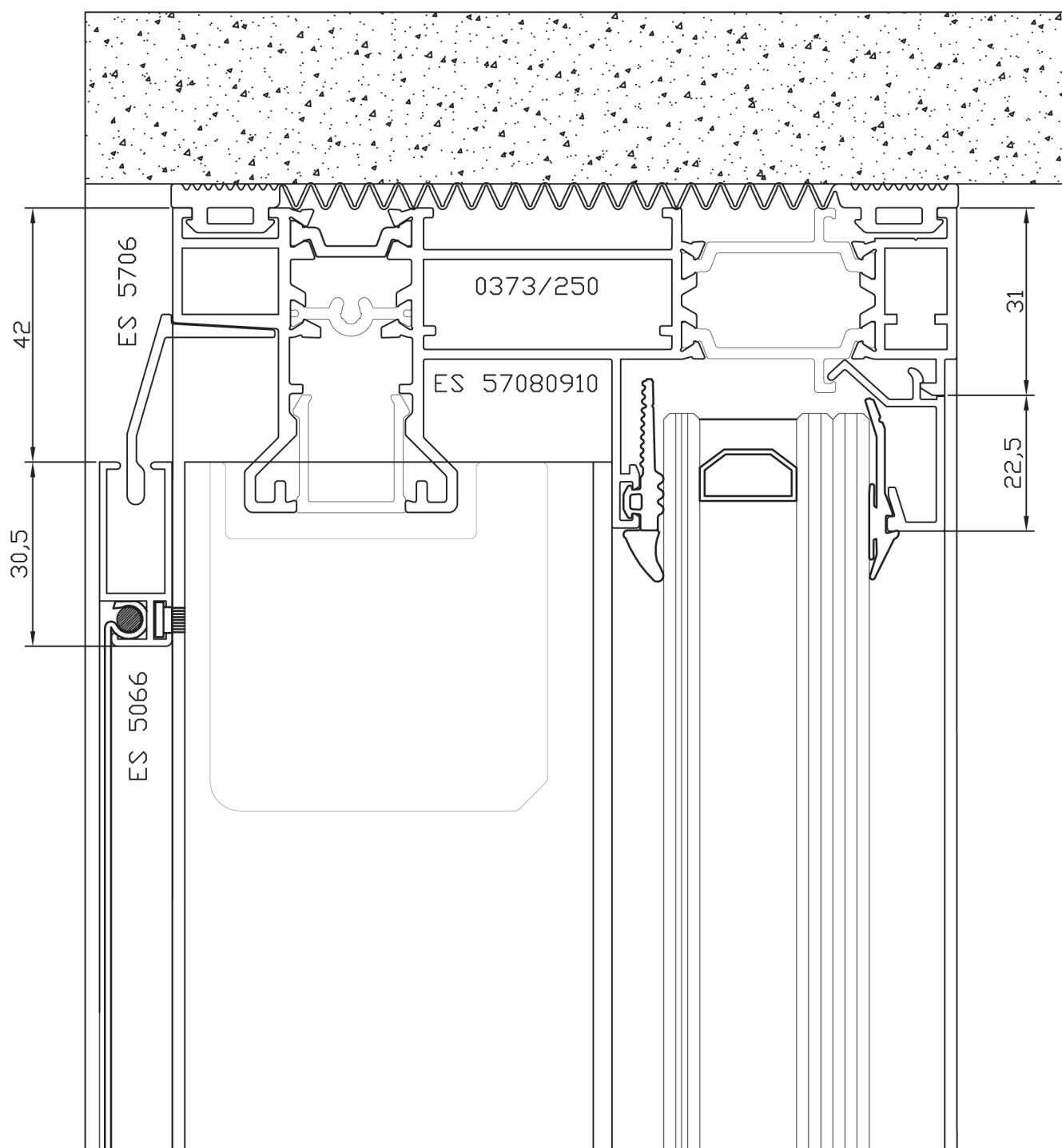
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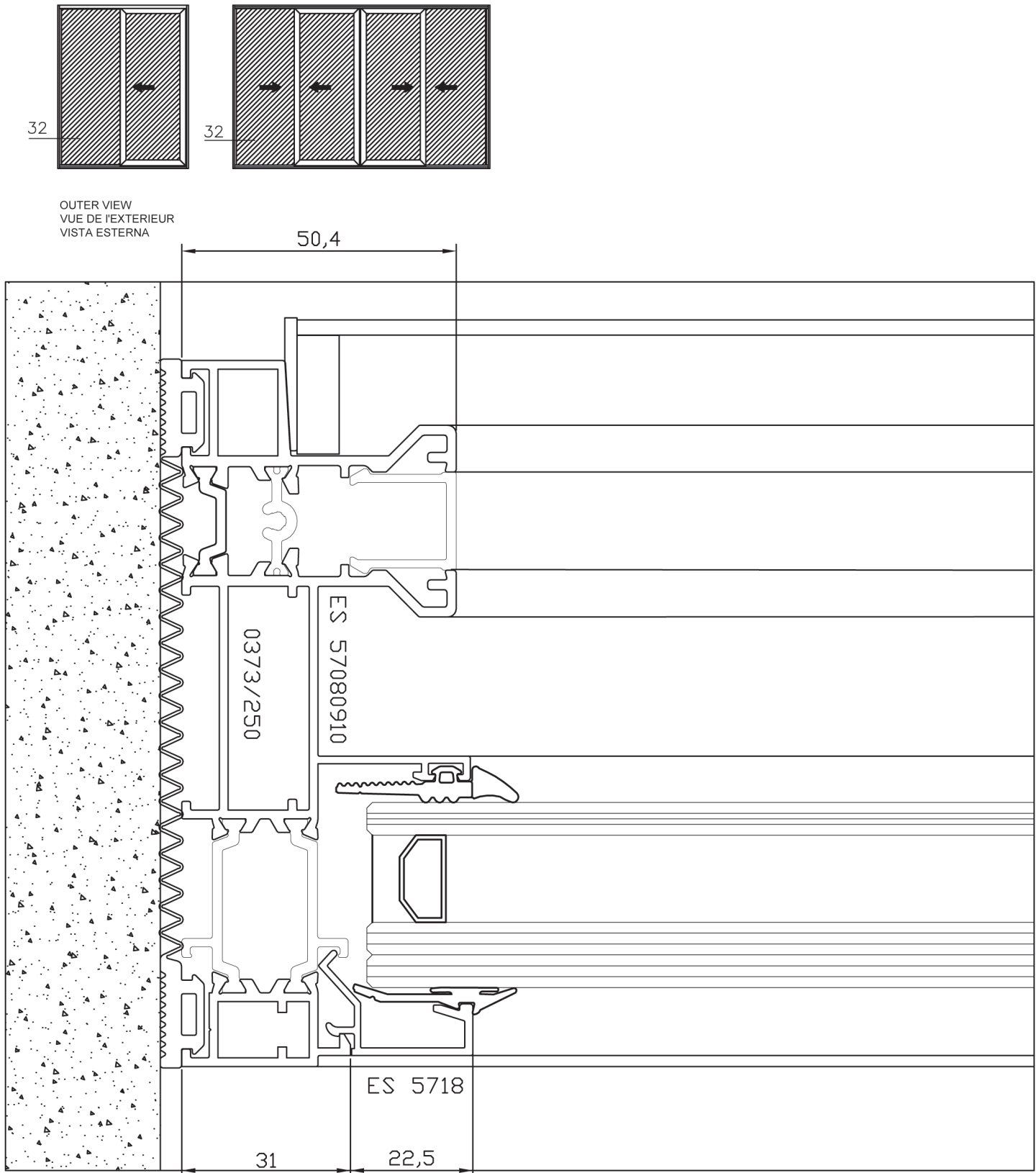
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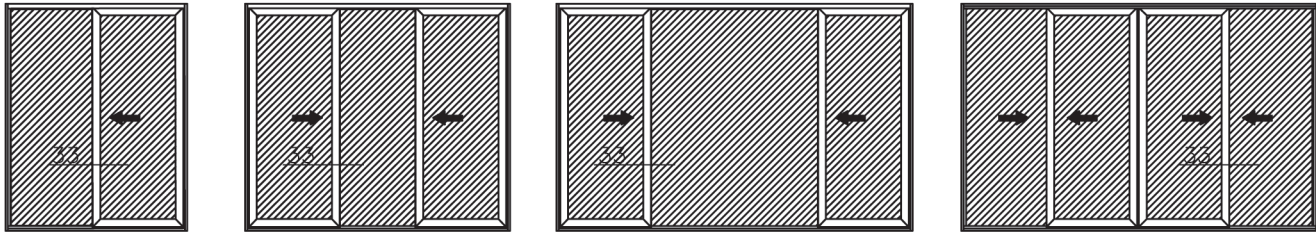
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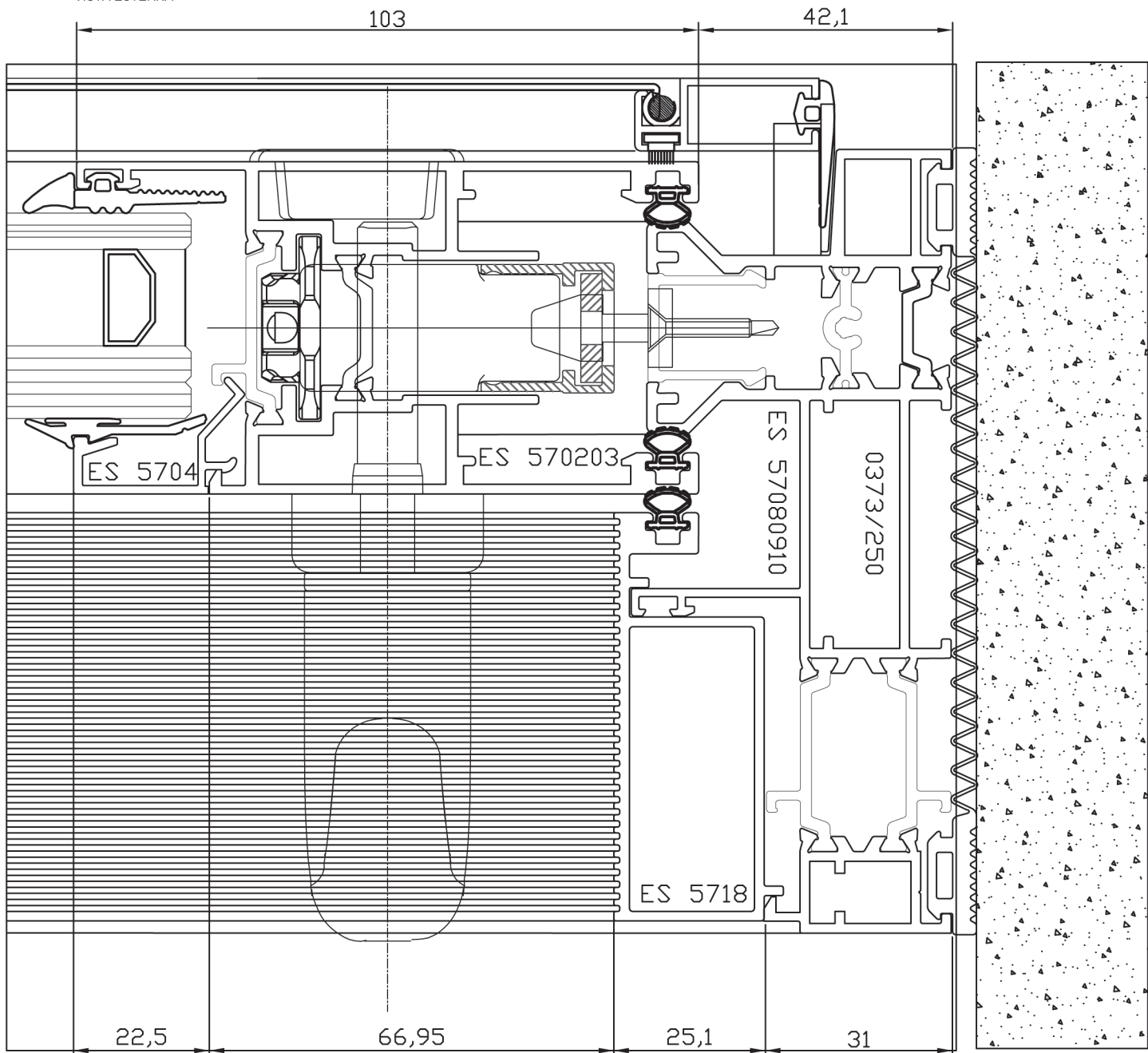
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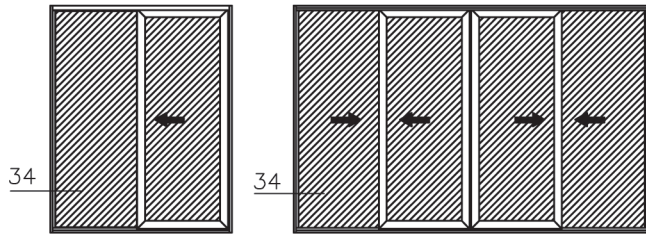
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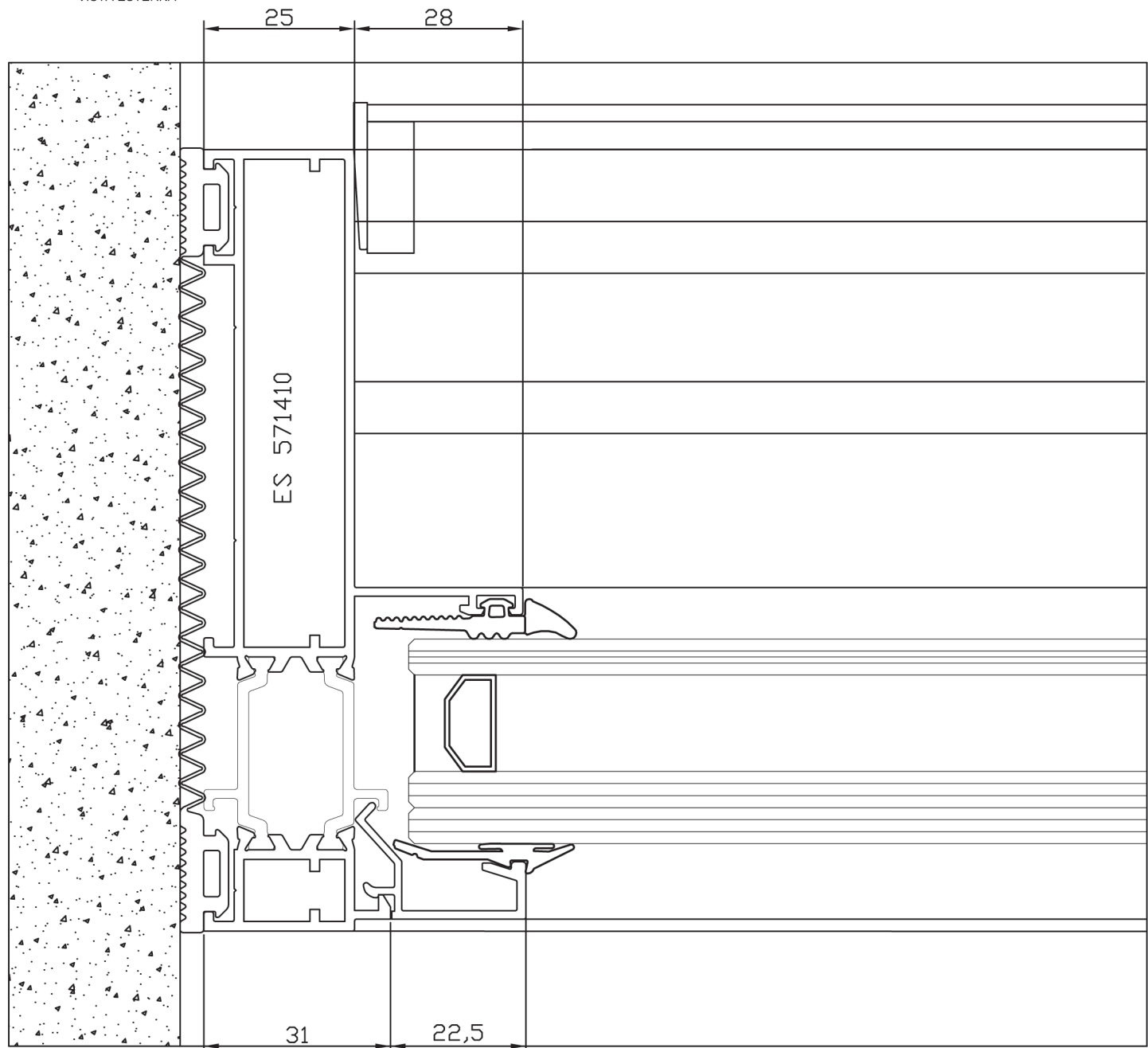
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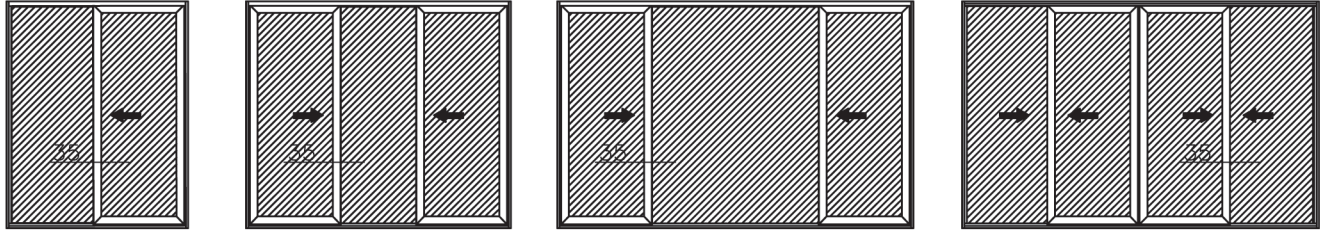
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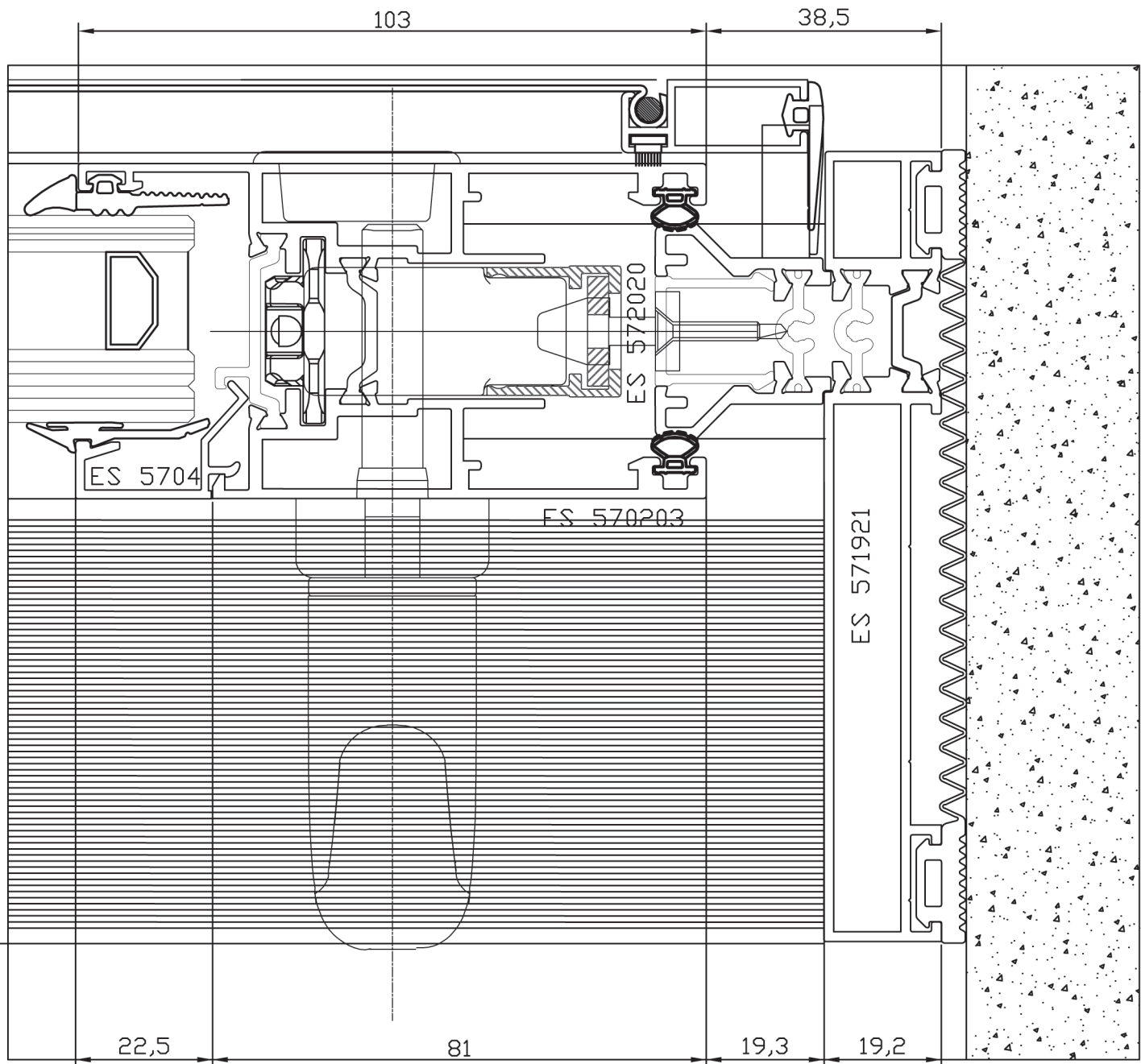
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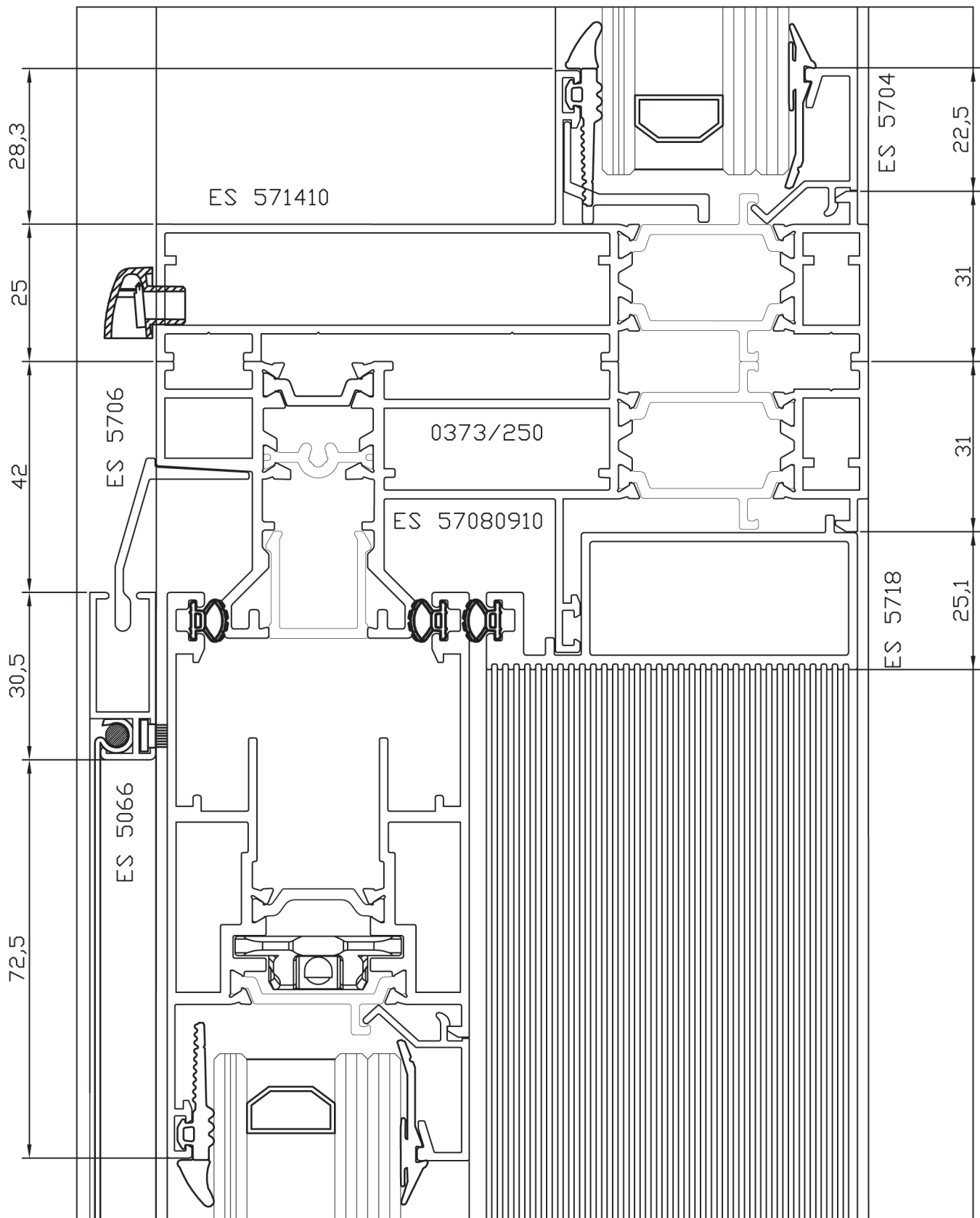
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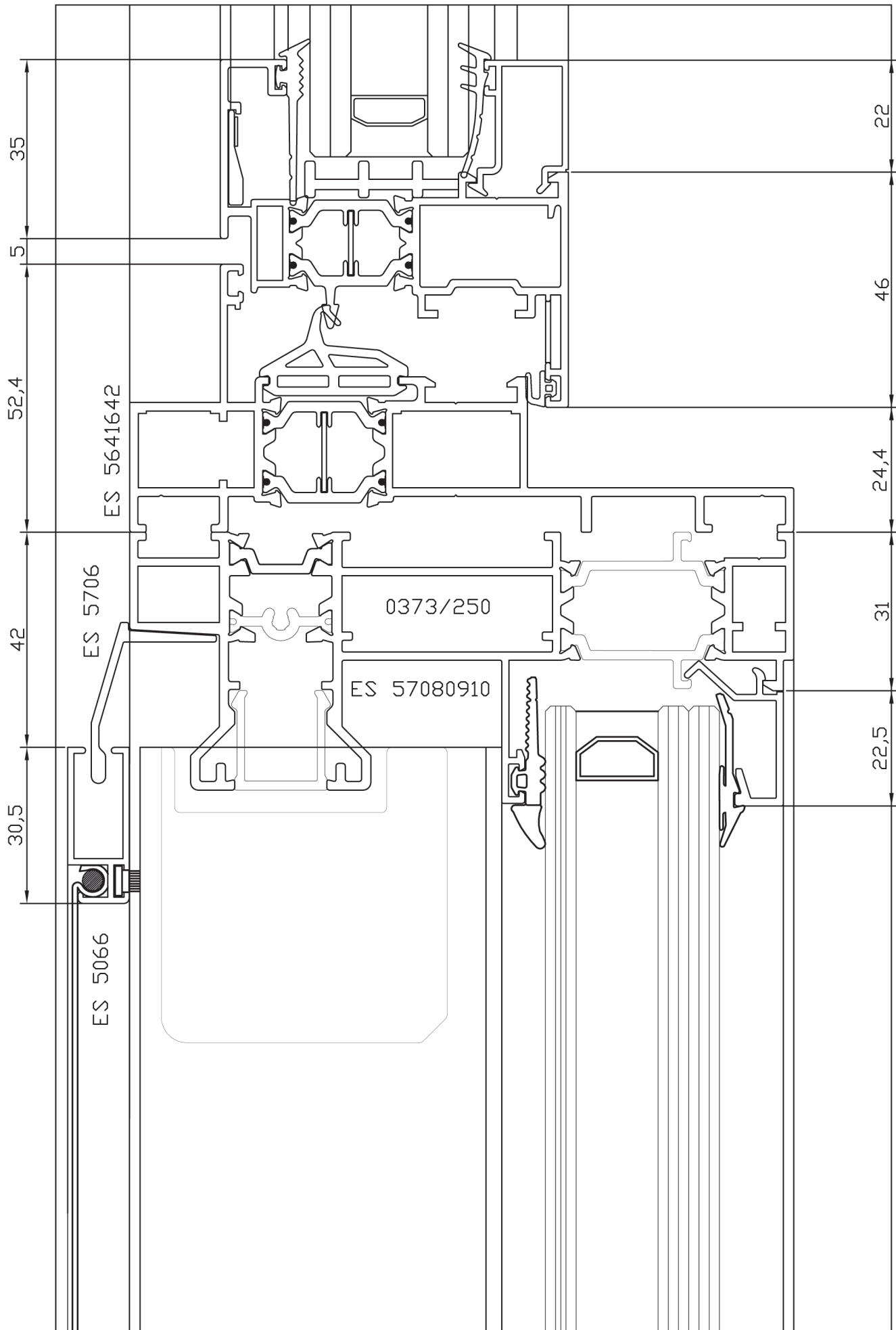
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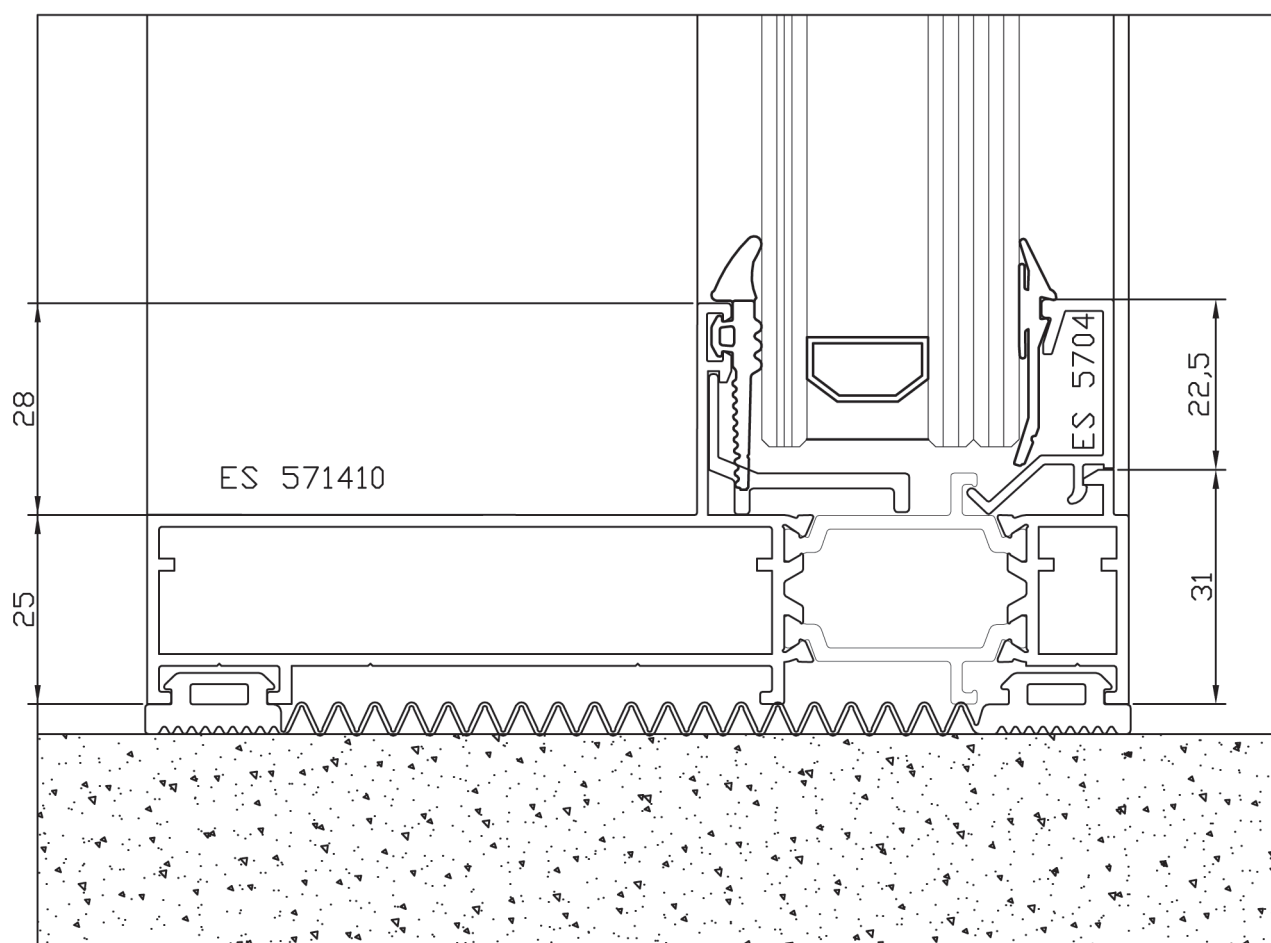
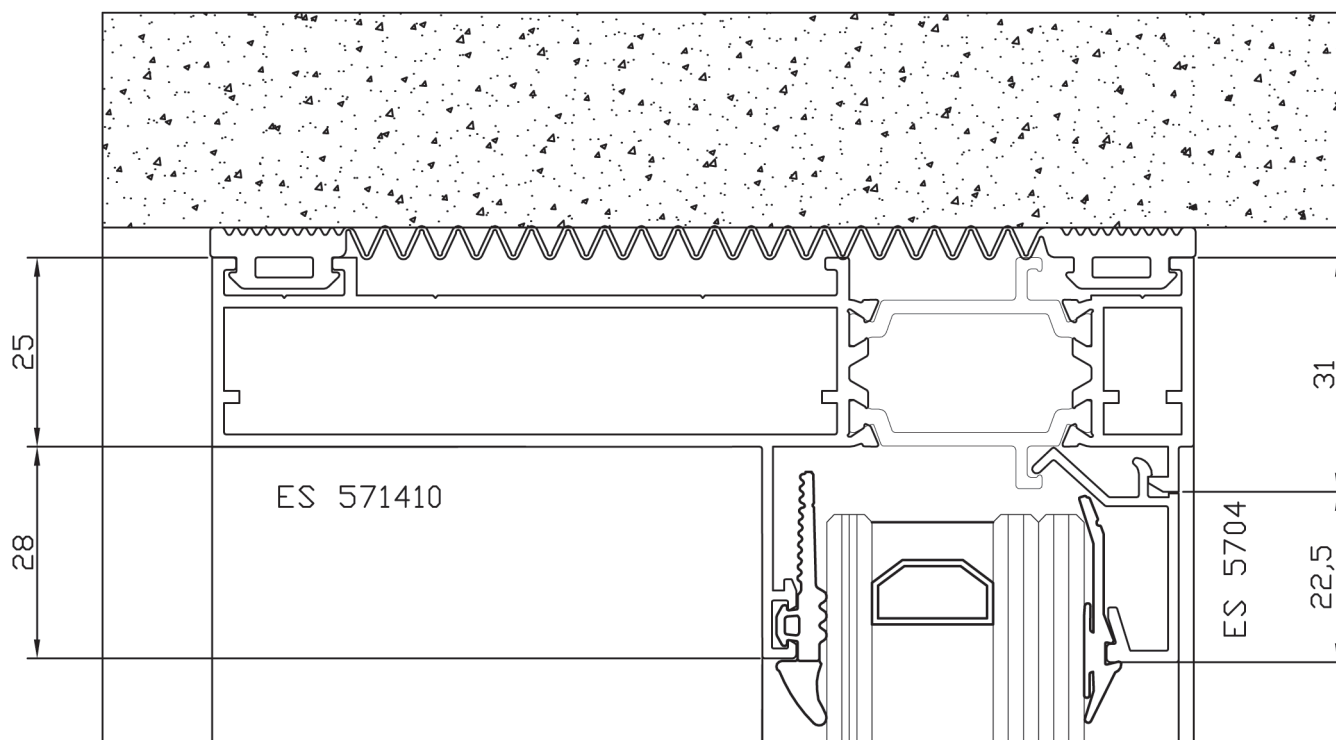
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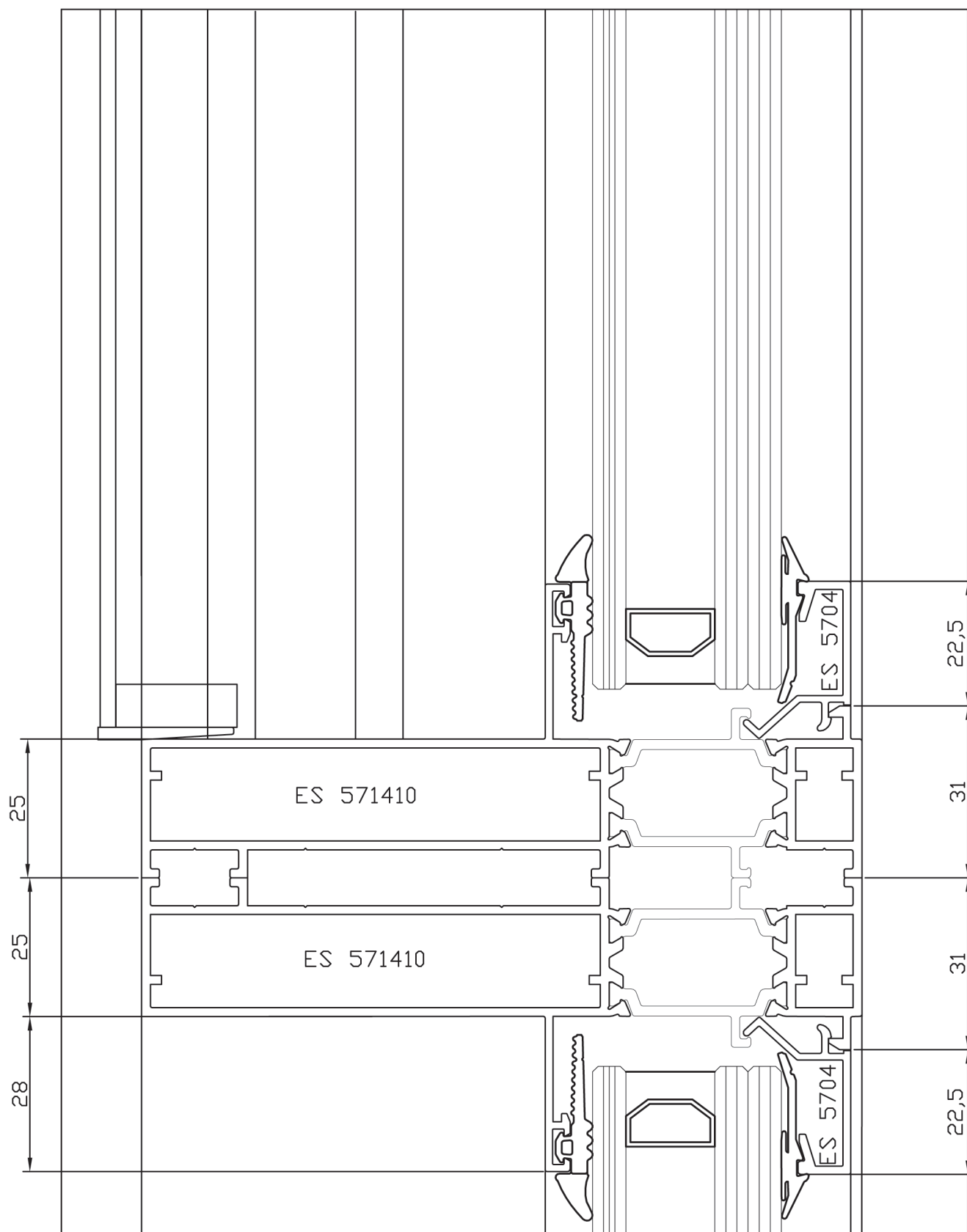
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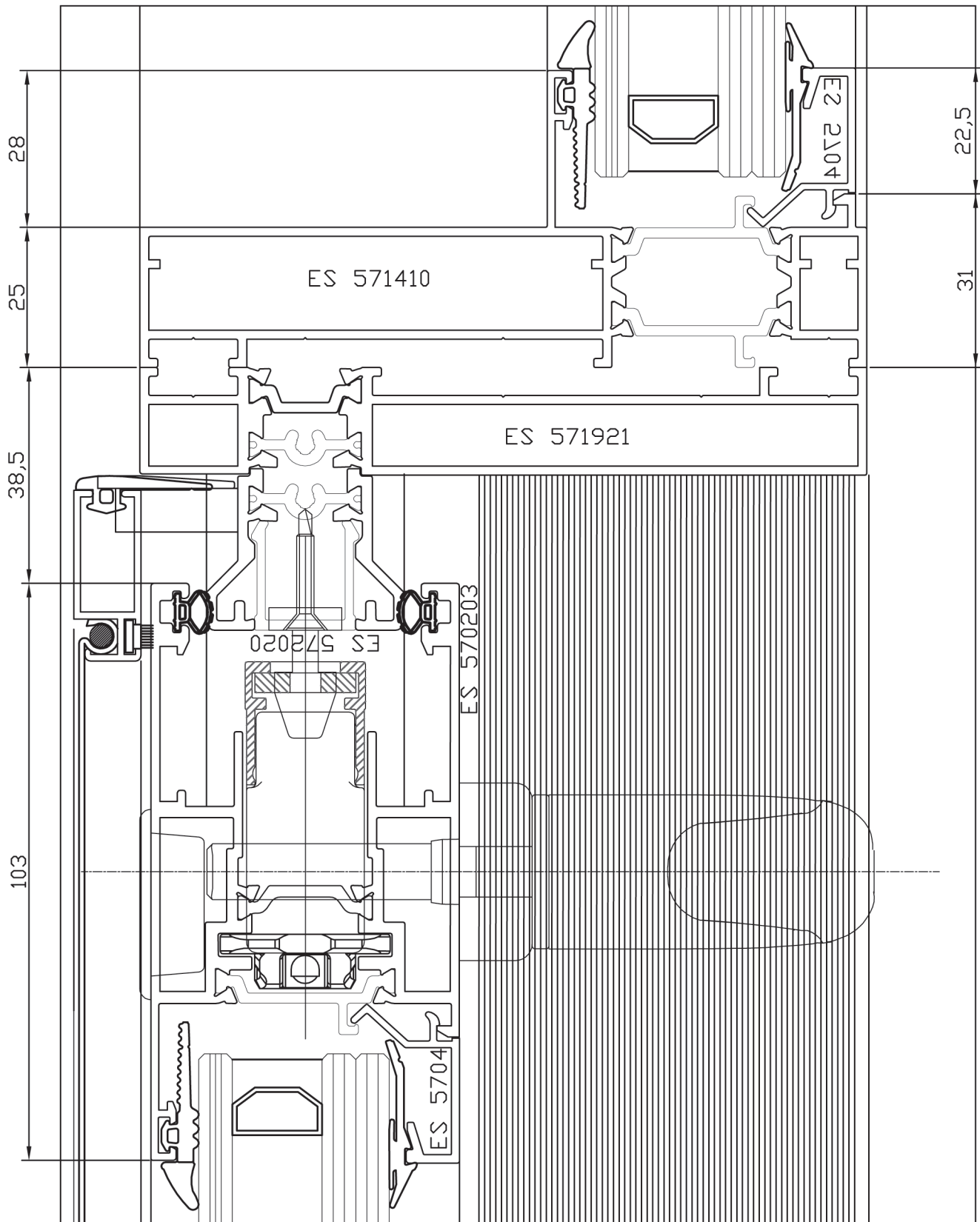
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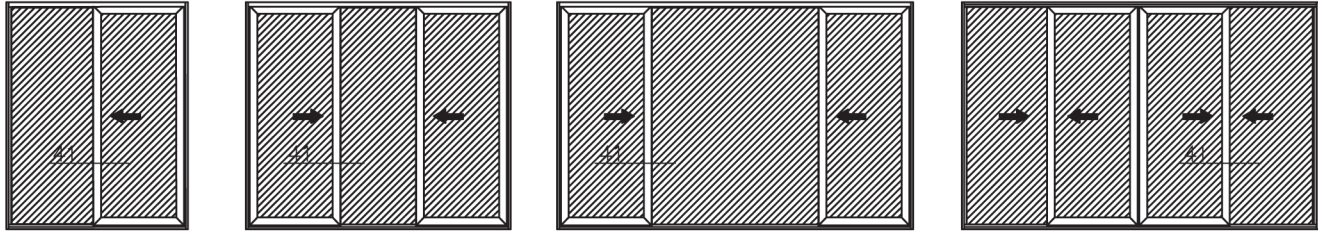
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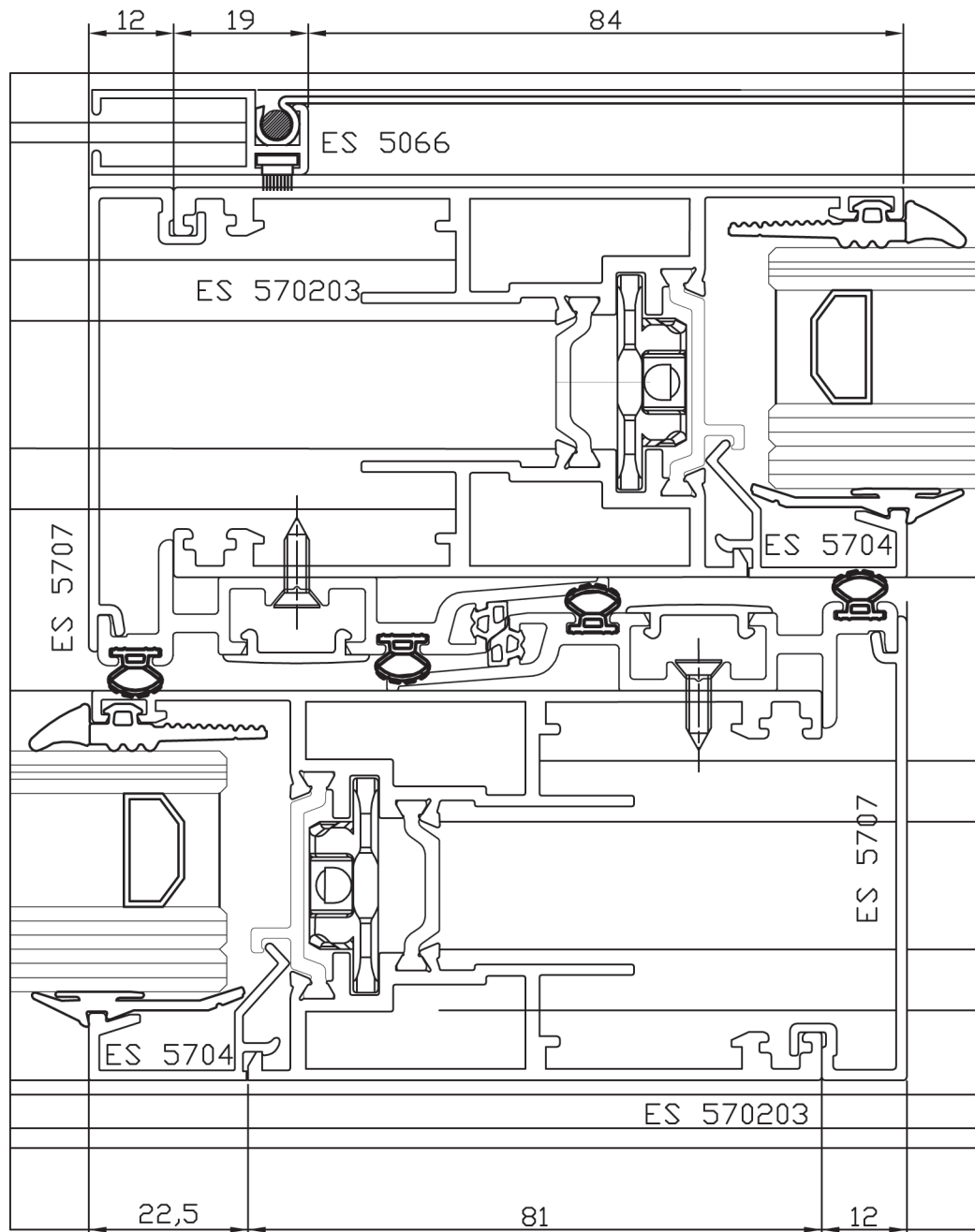
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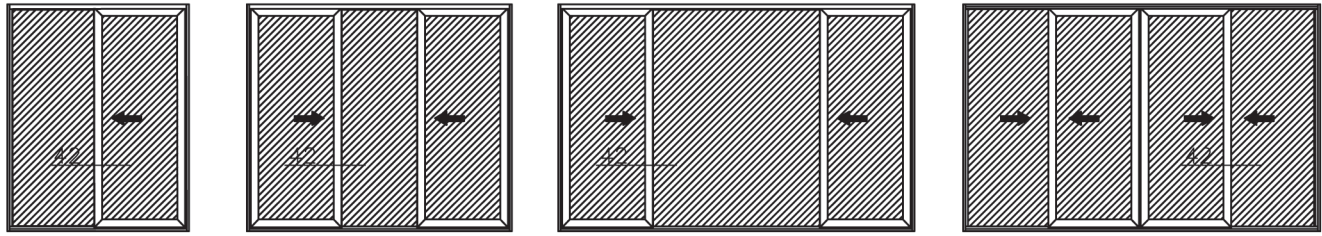
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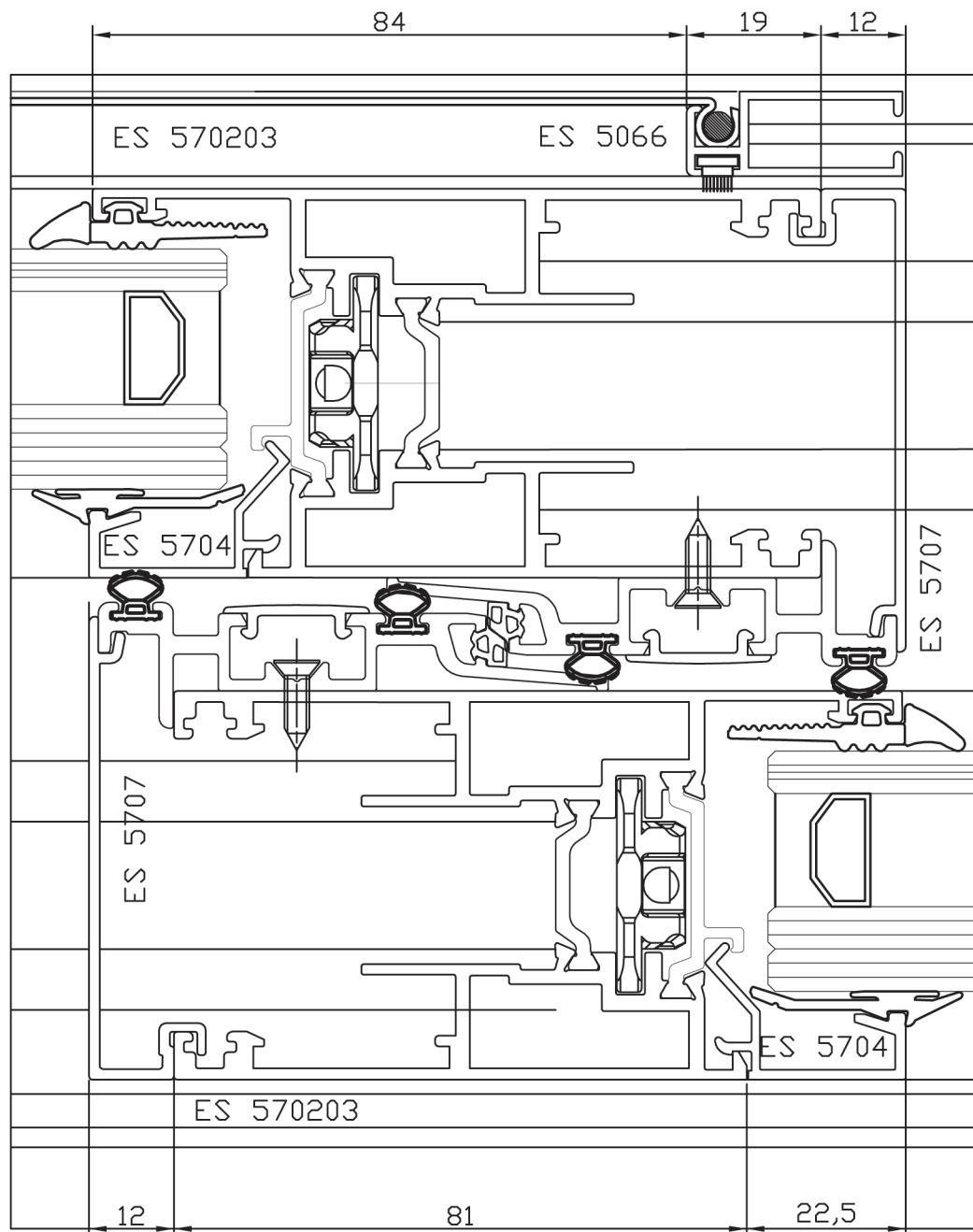
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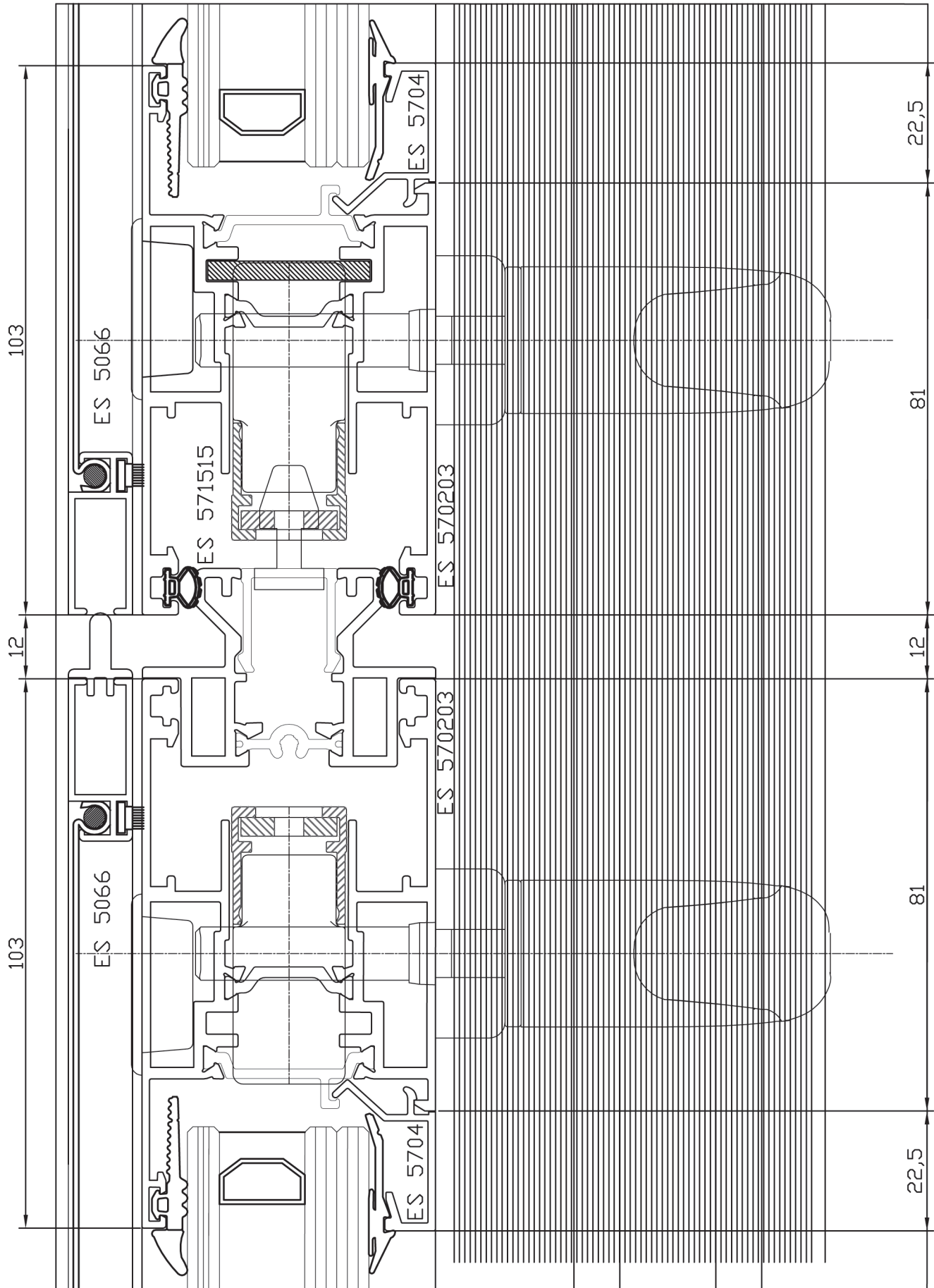
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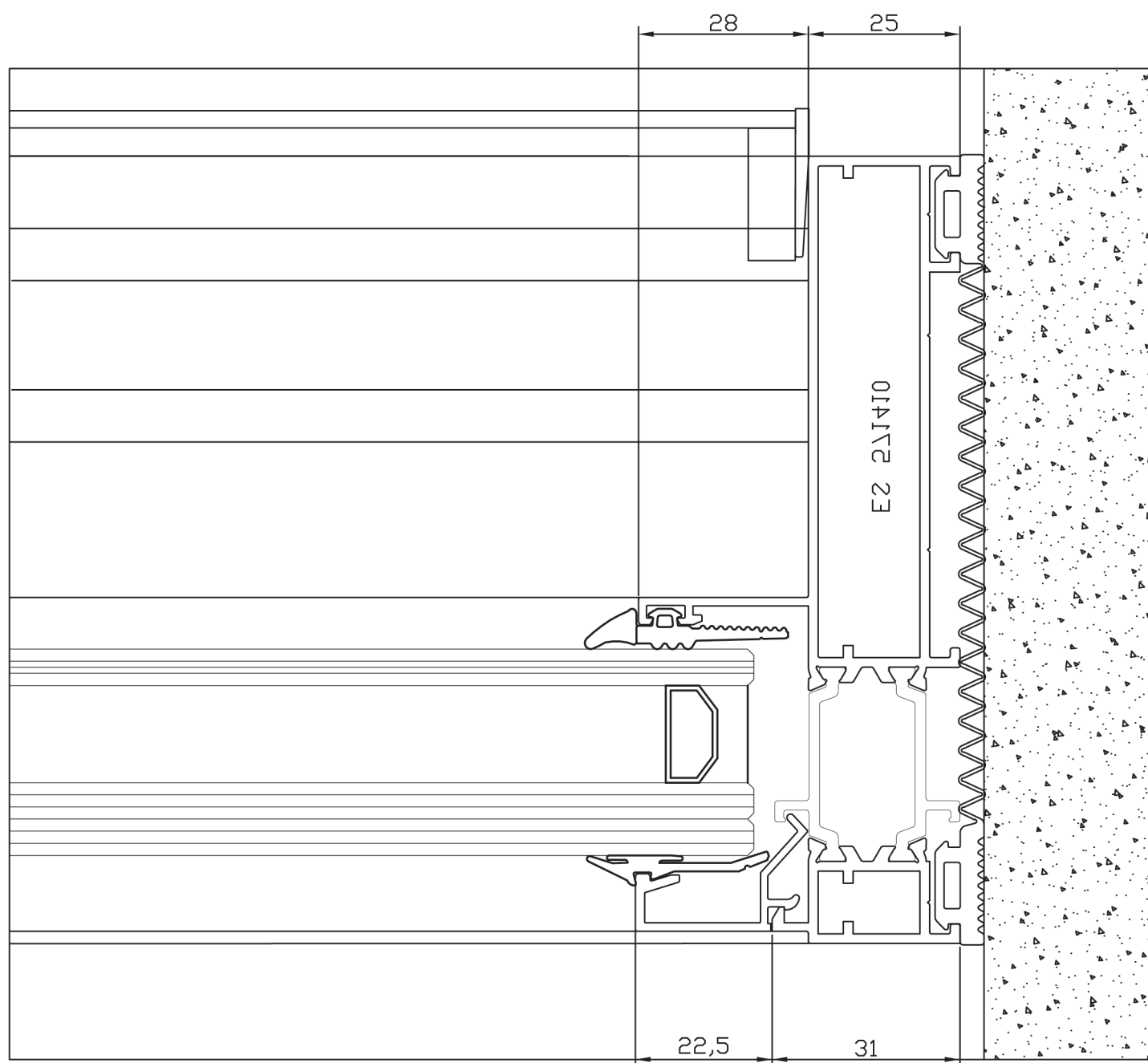
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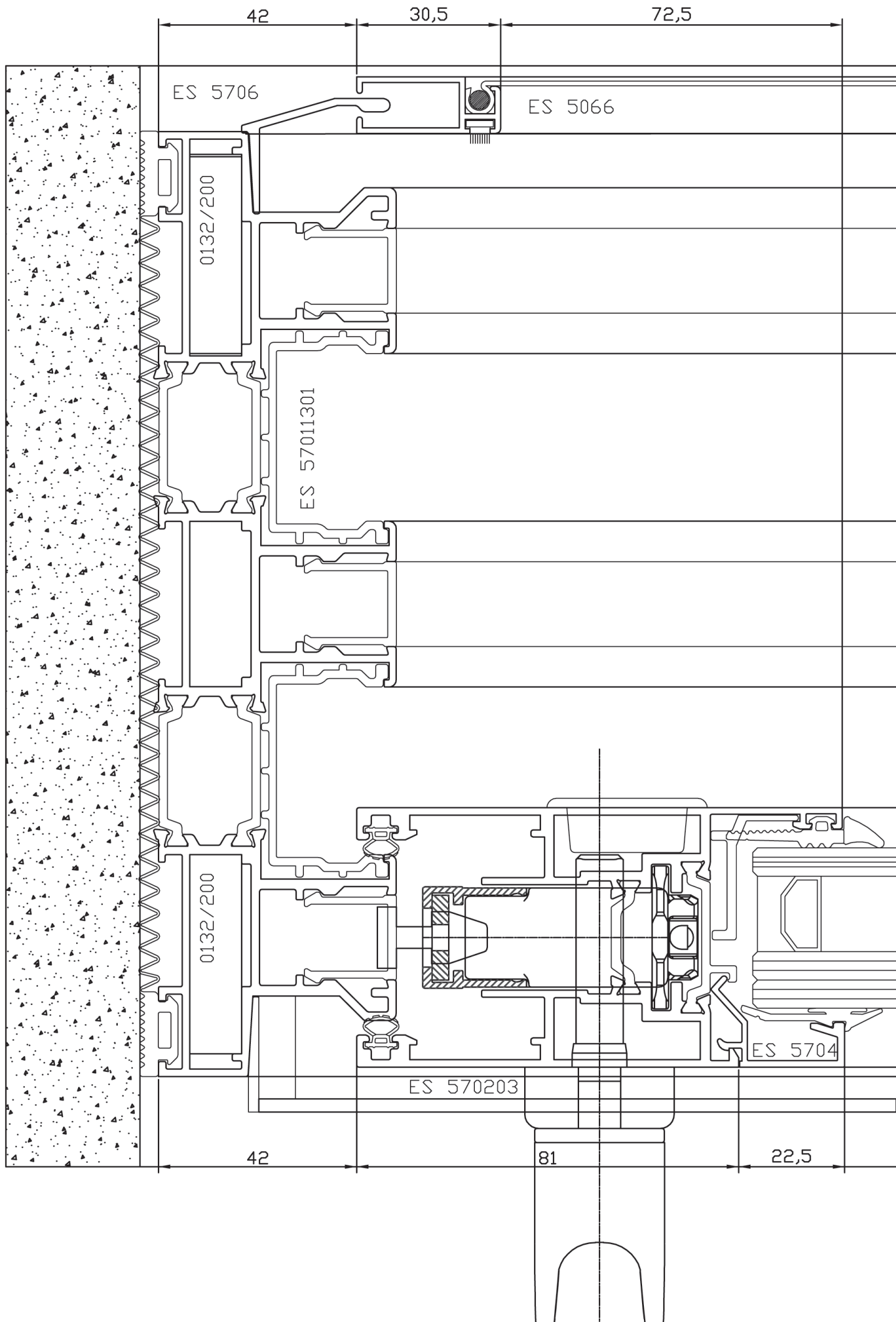


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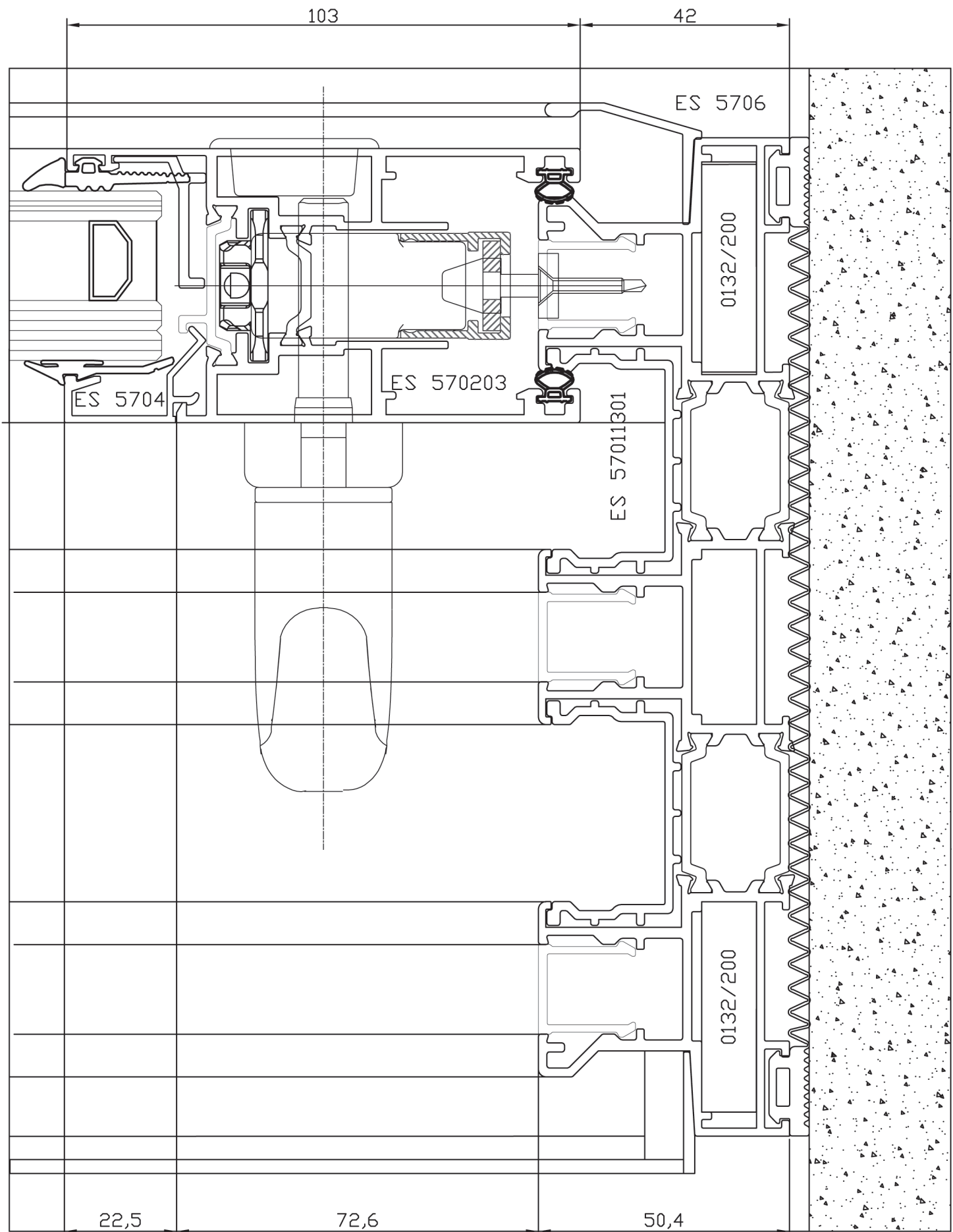


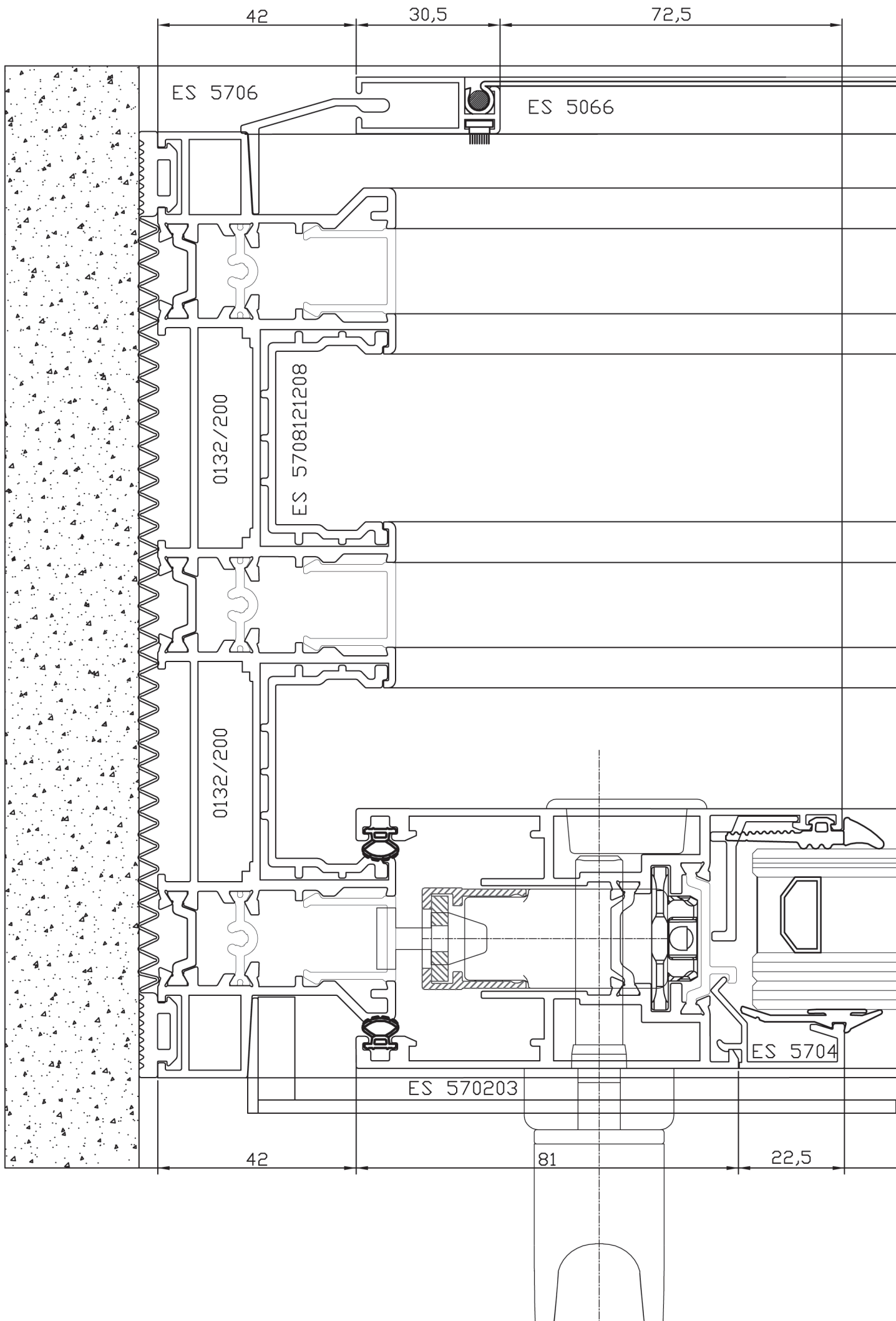
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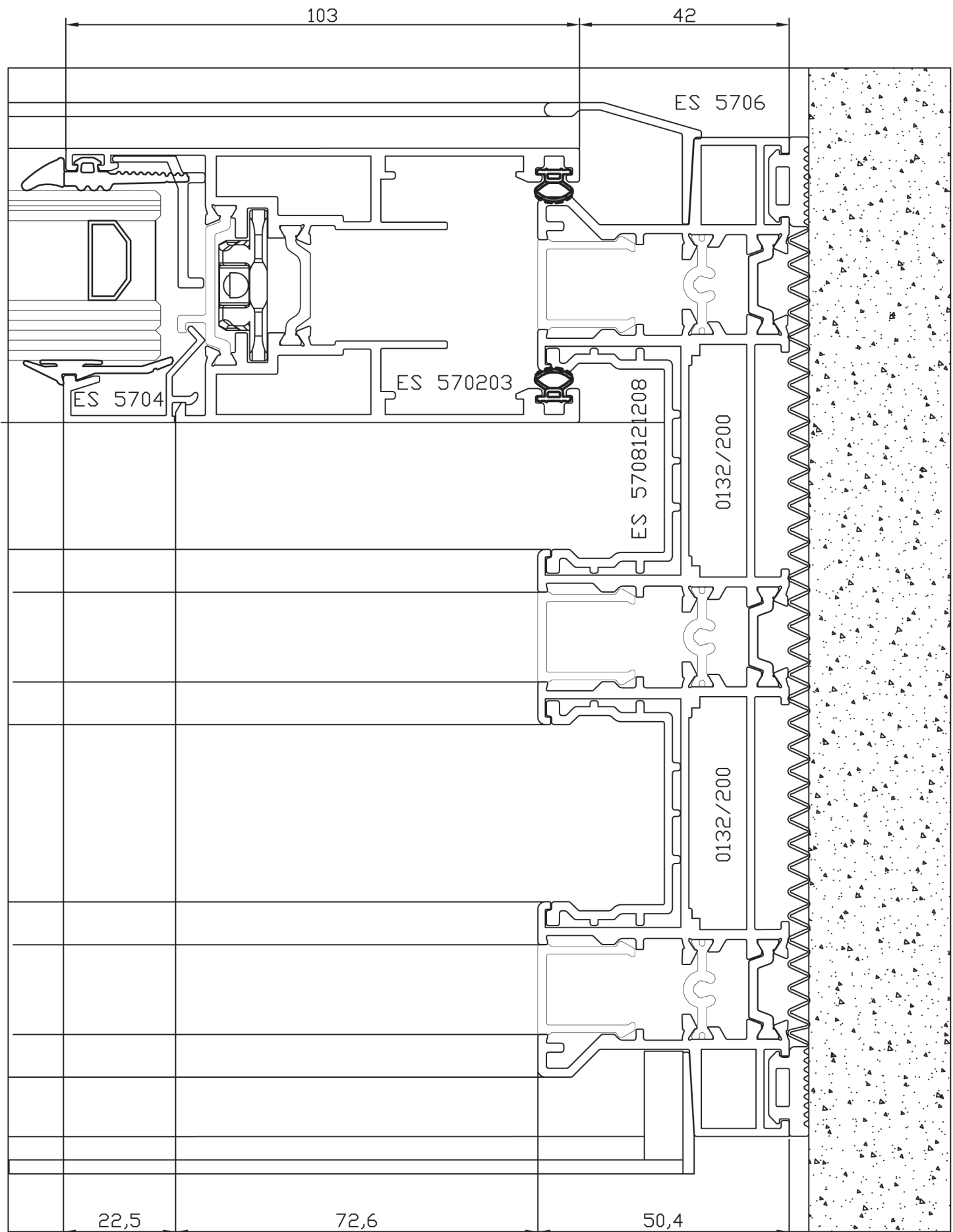


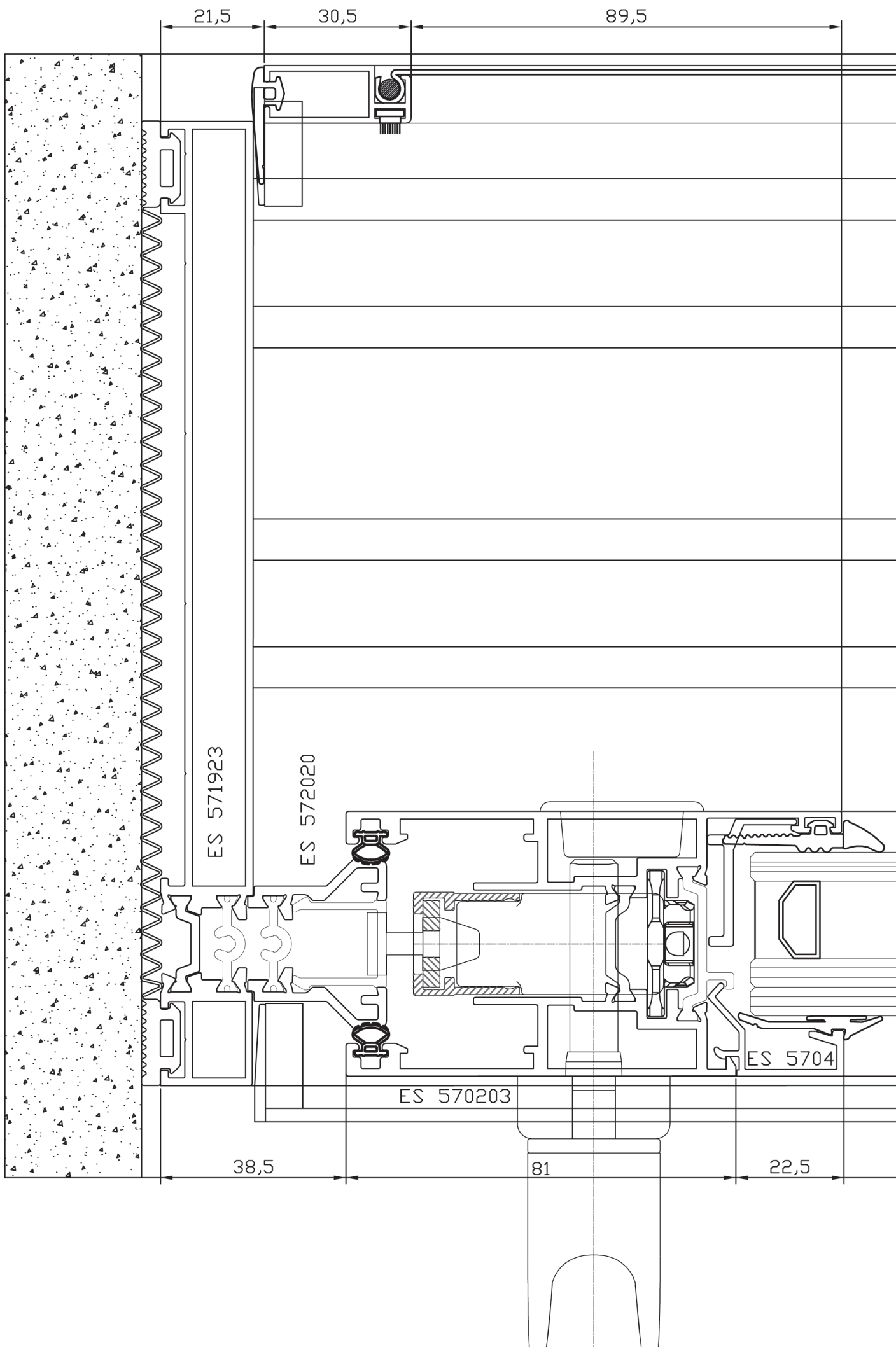
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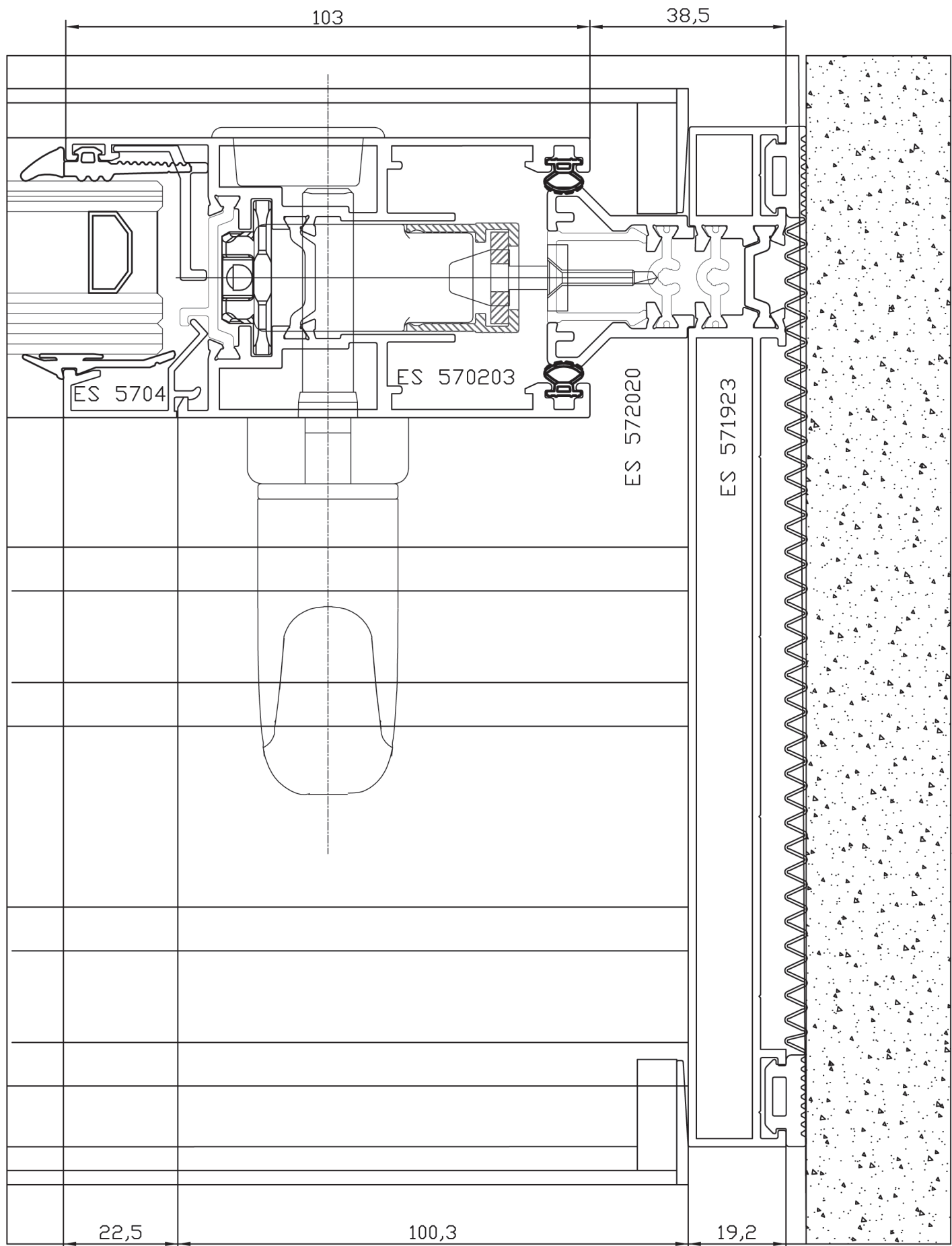


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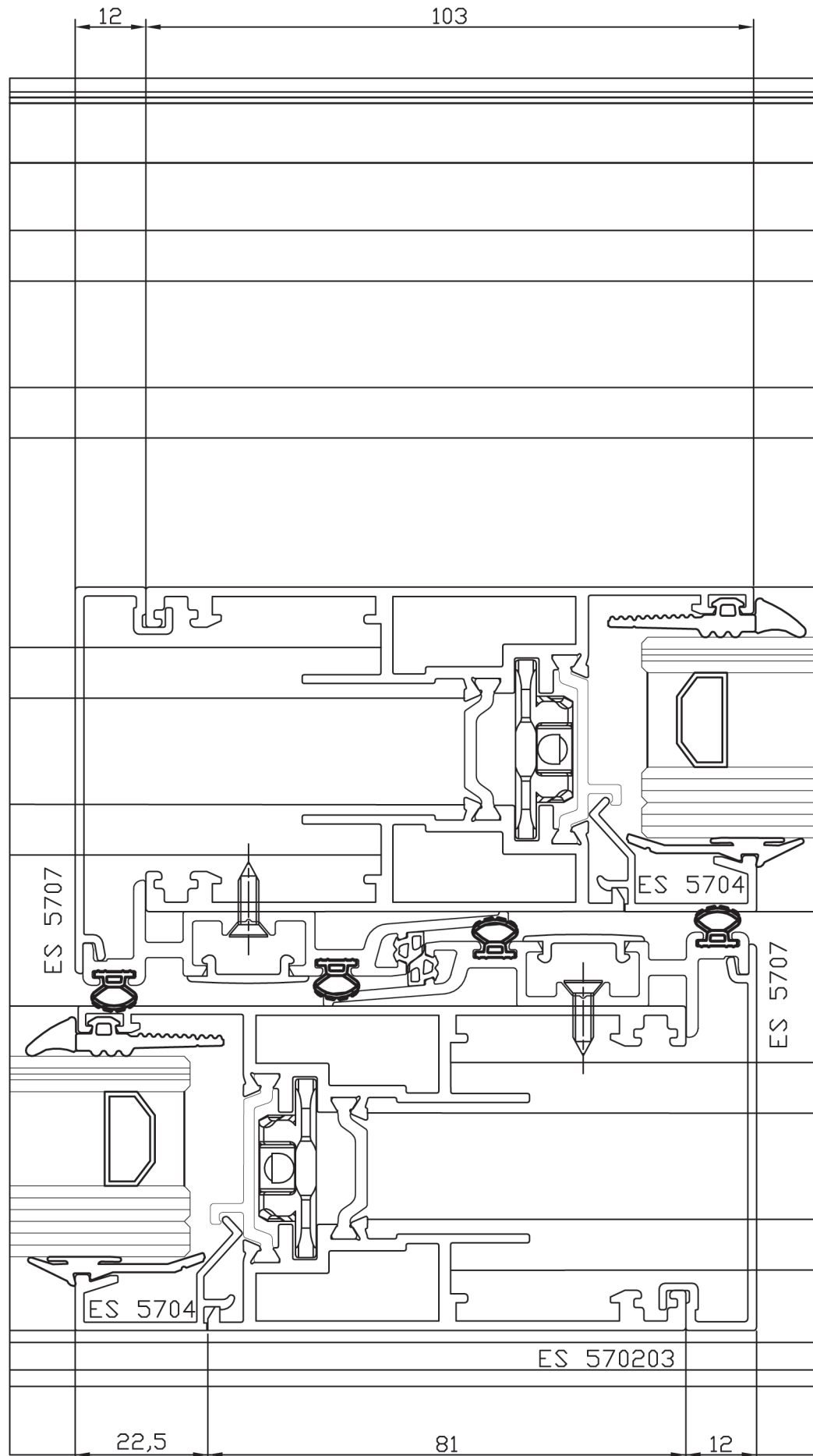




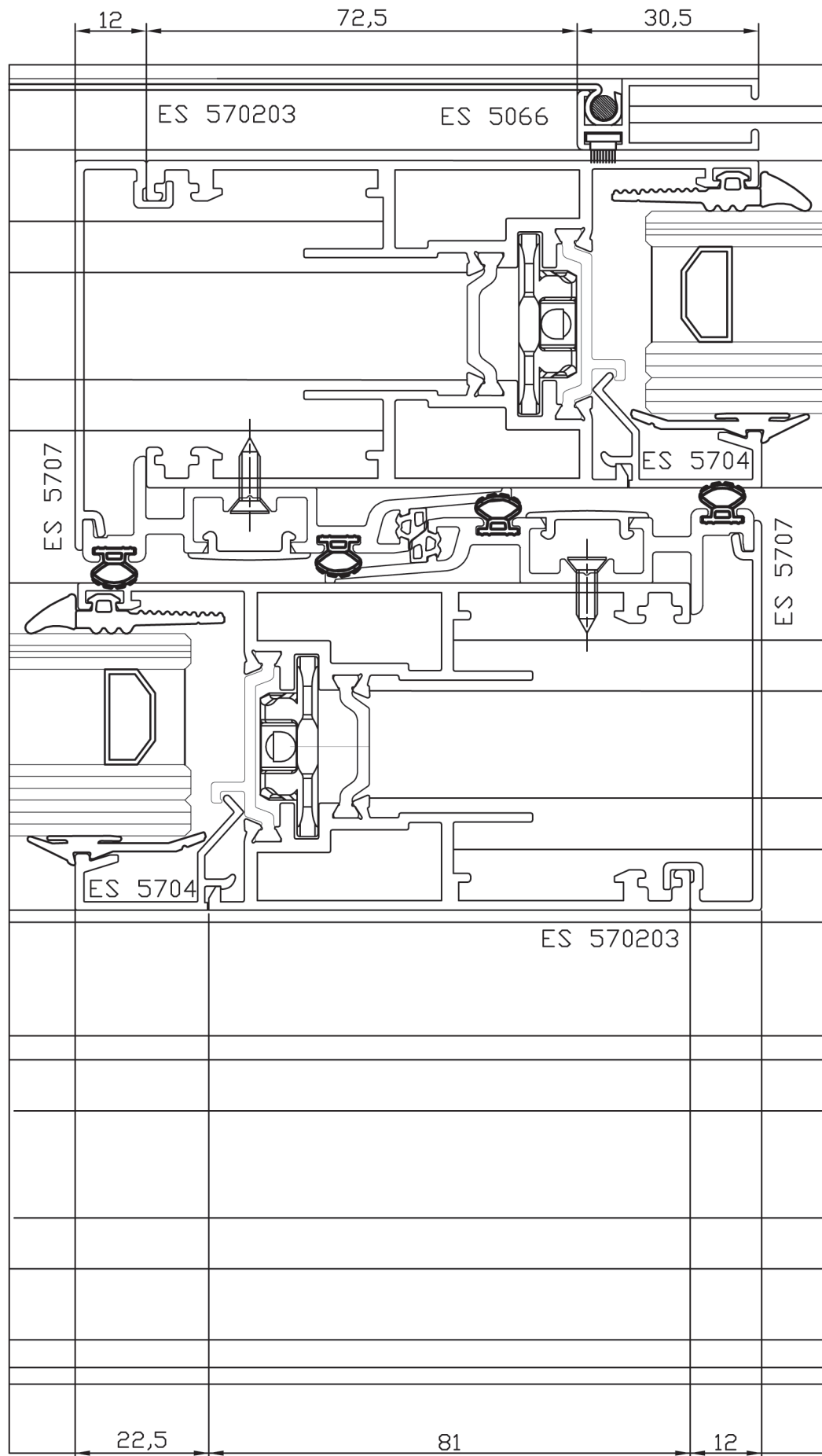
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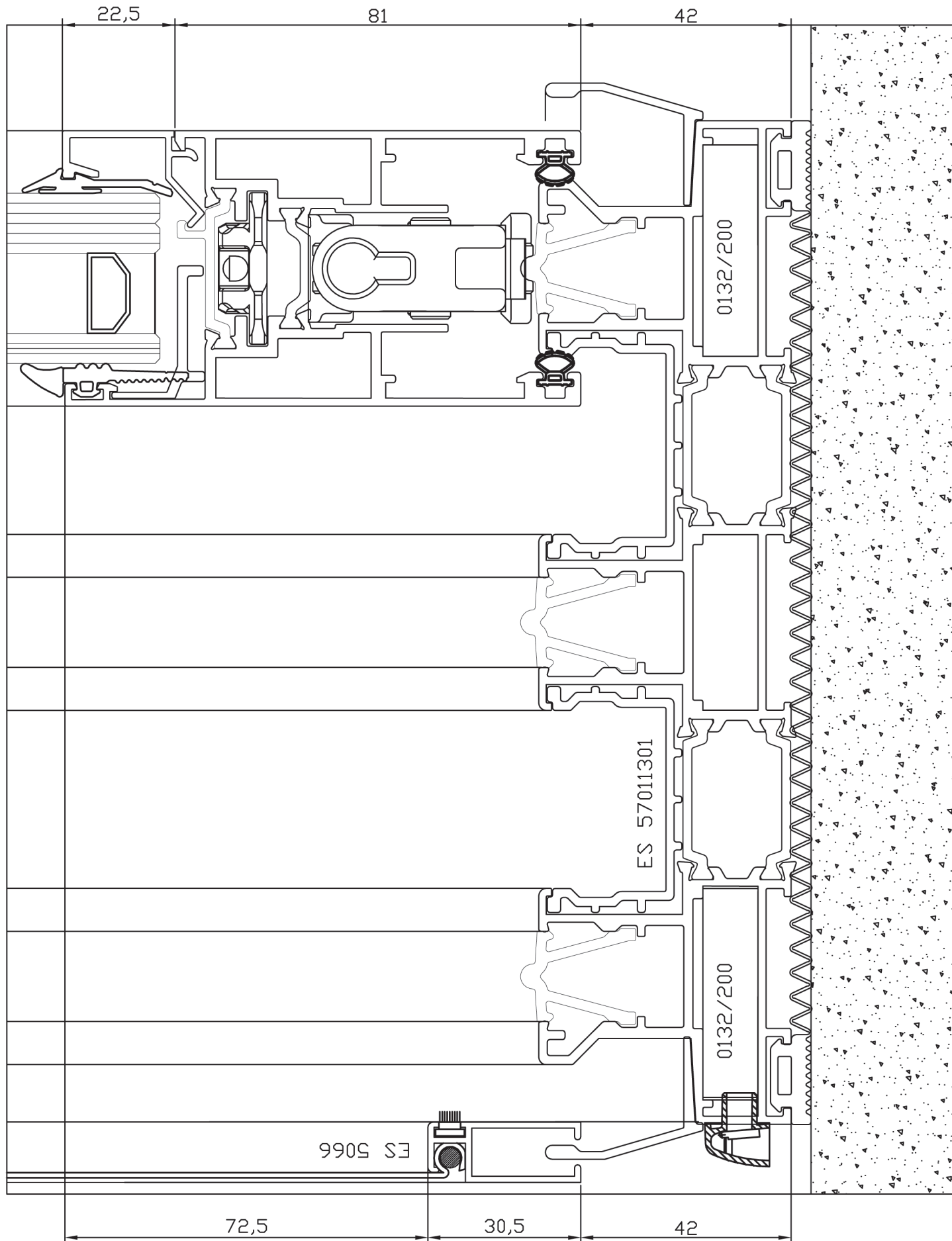
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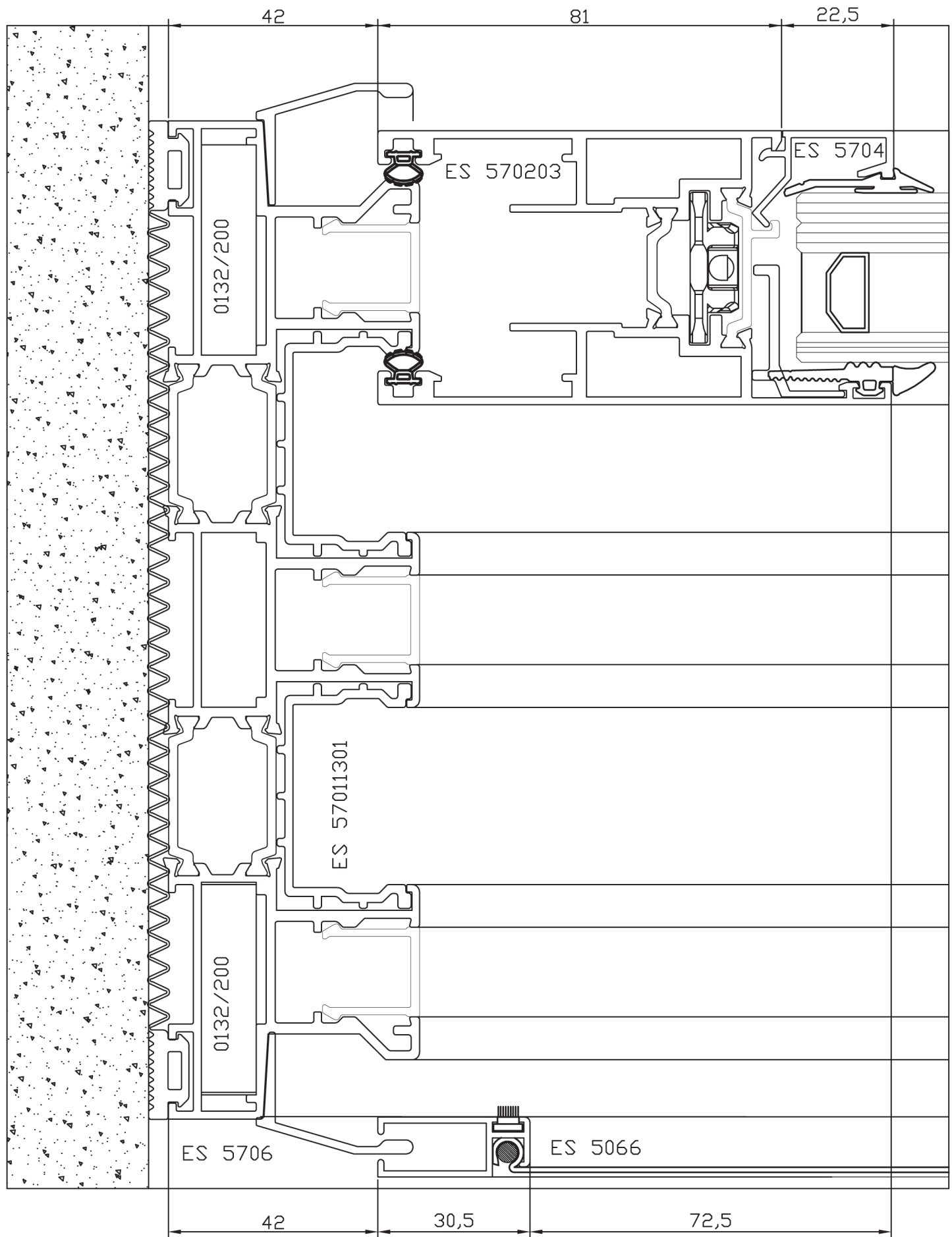
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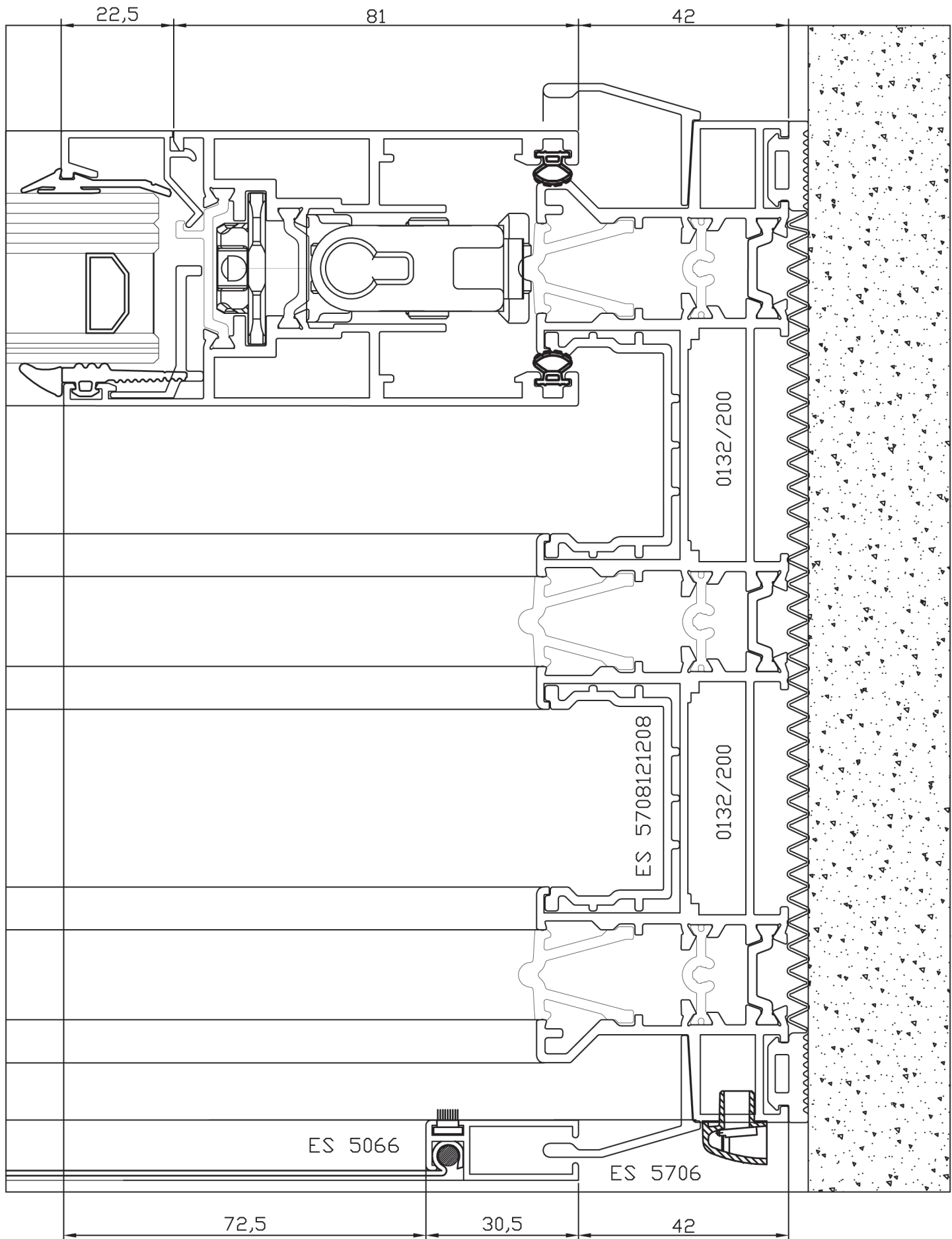
SEZIONI IN SCALA 1:1



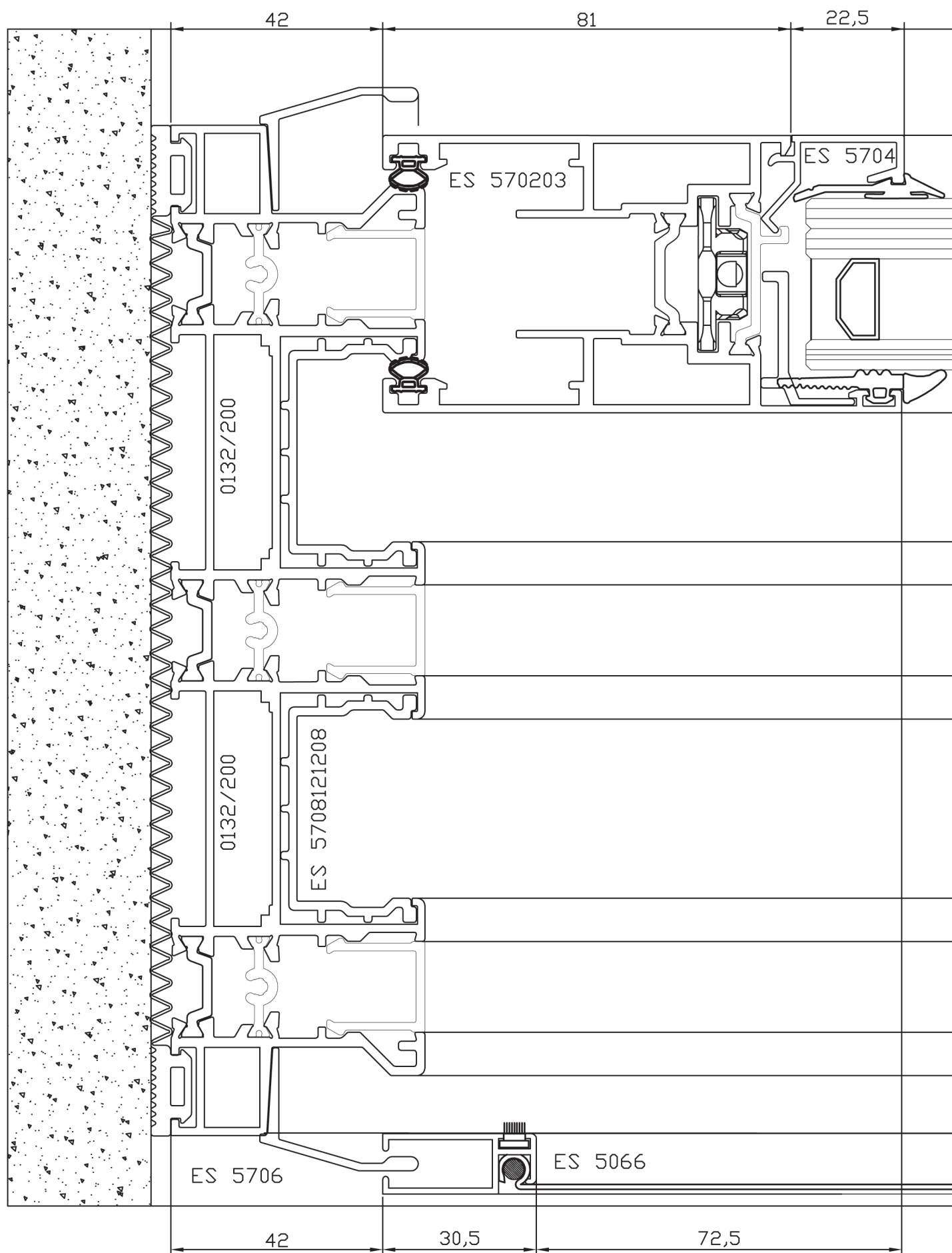
SEZIONI IN SCALA 1:1



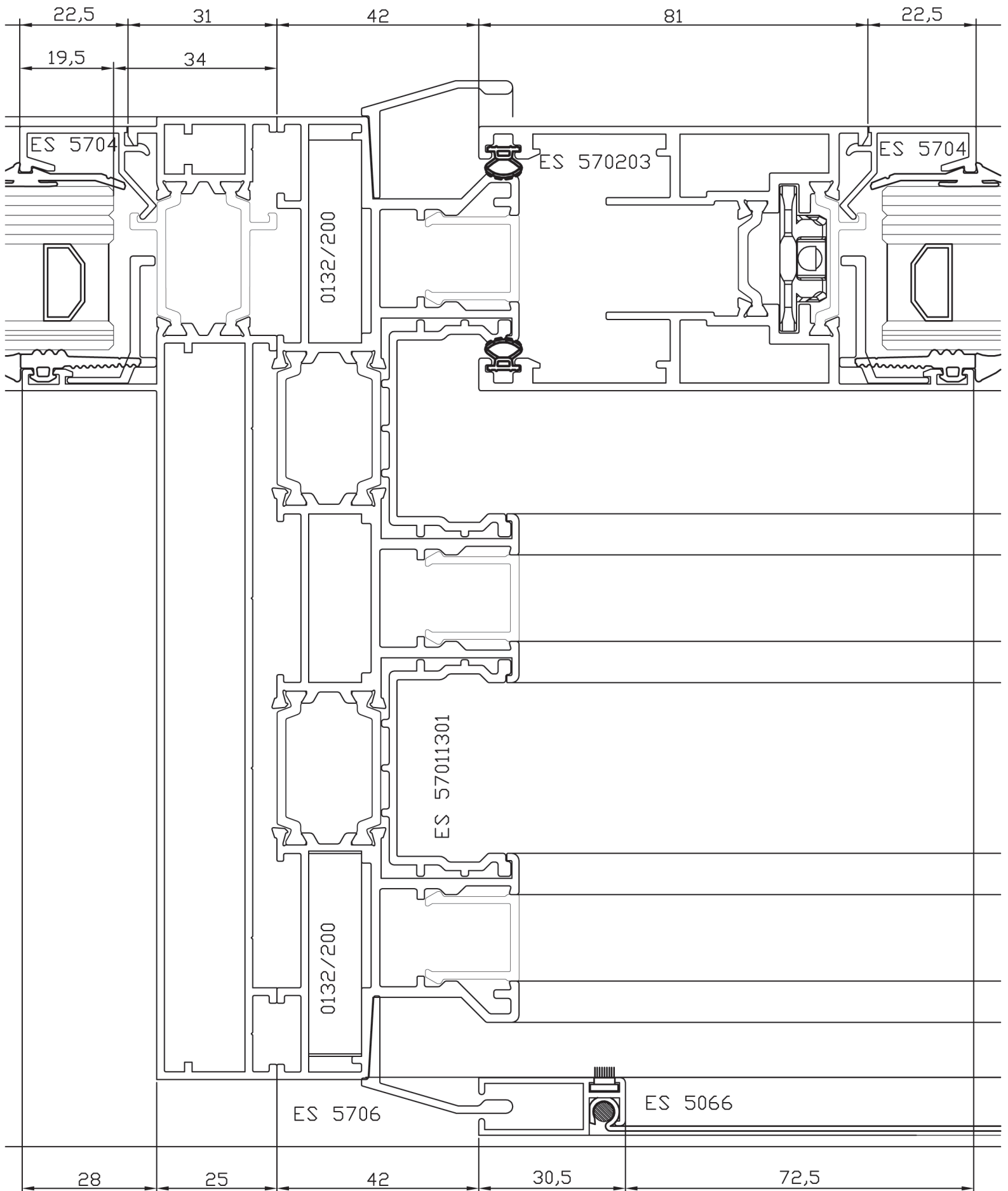
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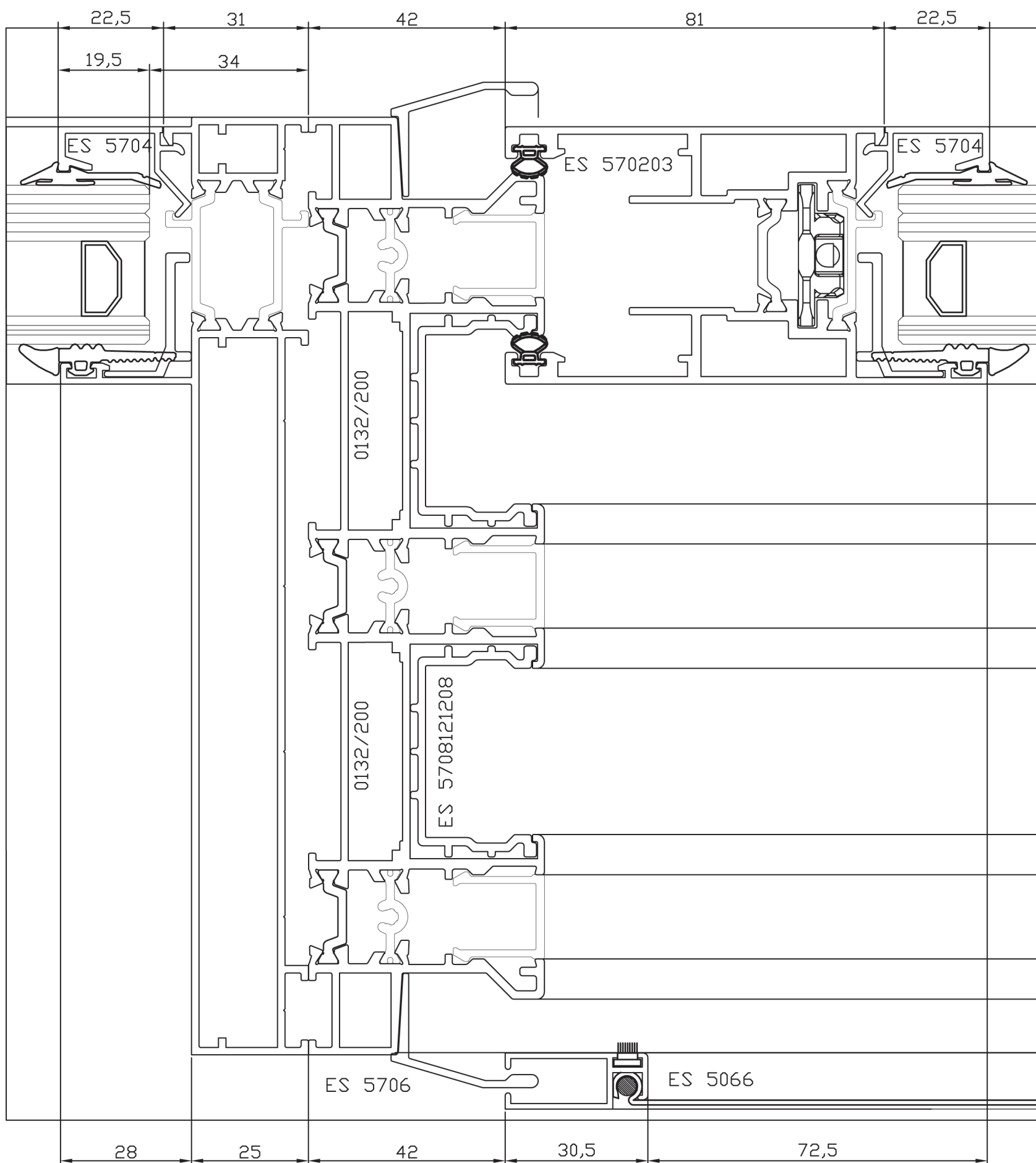
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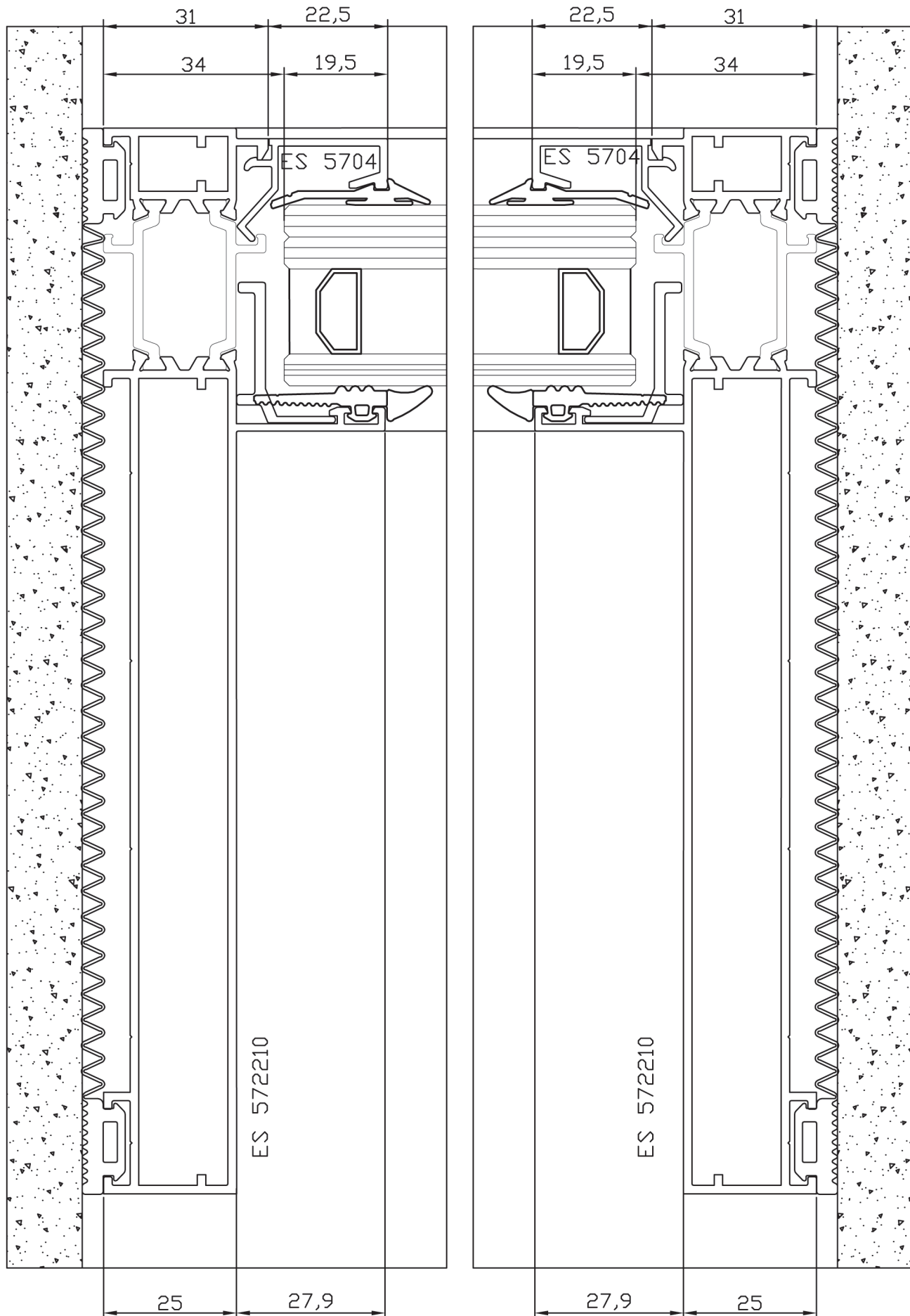
SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



SEZIONI IN SCALA 1:1



SCHEDE TECNICHE

SCHEDE TECNICHE :

(SCHEDE SM, SV e ST)

SCHEDE SM: schede tecniche per il montaggio

SCHEDE SV: schede tecniche per vetrazioni

SCHEDE ST: schemi di taglio, distinte accessori e guarnizioni per alcune tipologie rappresentative.

TECHNICAL DATA SHEETS :

(FICHES SM, SV and ST)

FICHES SM: technical pages for the models assembling

FICHES SV: technical pages for glazing

FICHES ST: cutting list, accessories and gaskets requirements for the most representatives models

FICHES TECHNIQUES :

(FICHES SM, SV et ST)

FICHES SM: fiches techniques pour l'assemblage

FICHES SV: fiches techniques pour les vitrages

FICHES ST: plans de debit, liste dels accessoires et joints pour certain des models les plus representatifs du systeme.

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



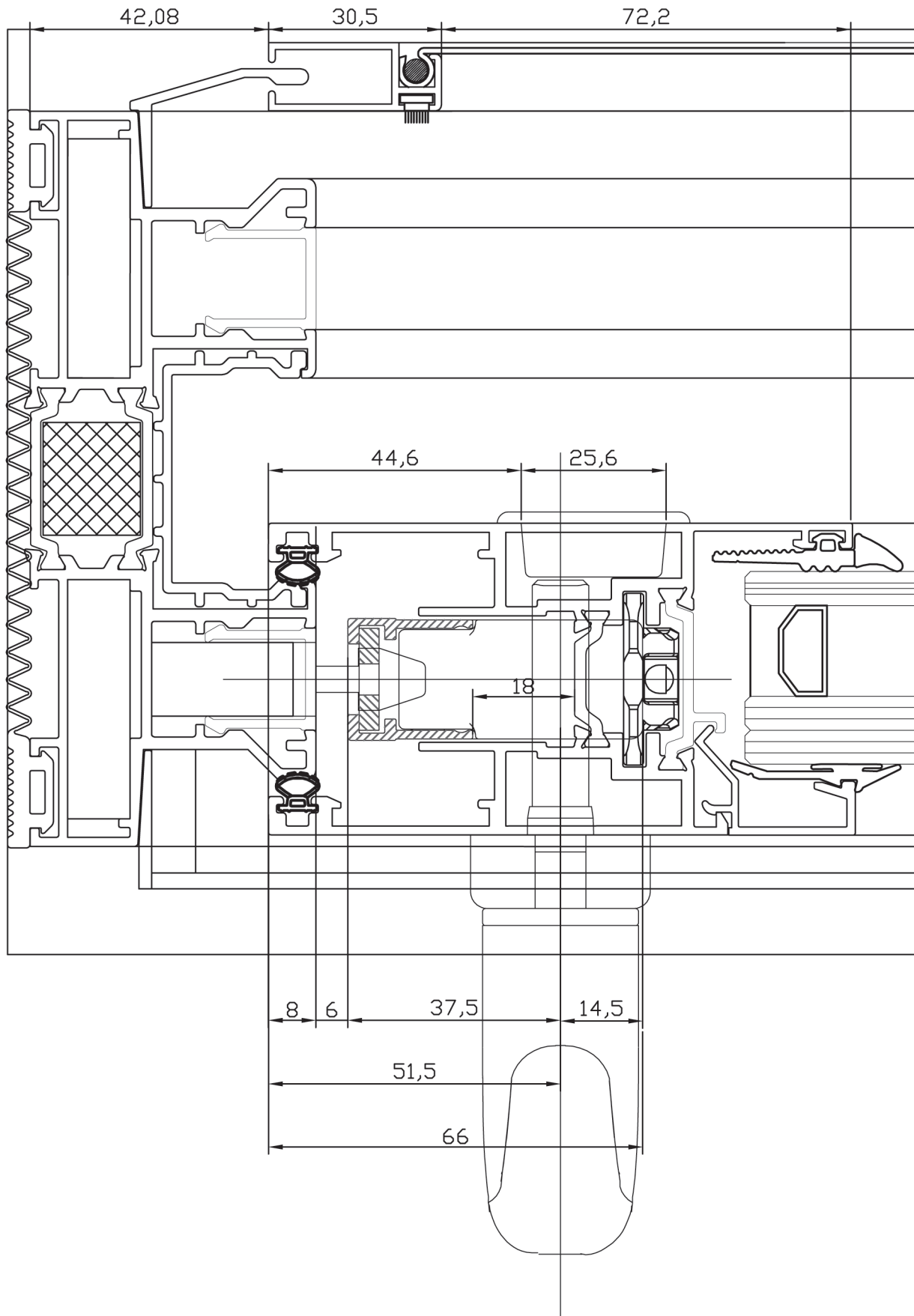
SCHEDE DI MONTAGGIO

ASSEMBLING DRAWINGS

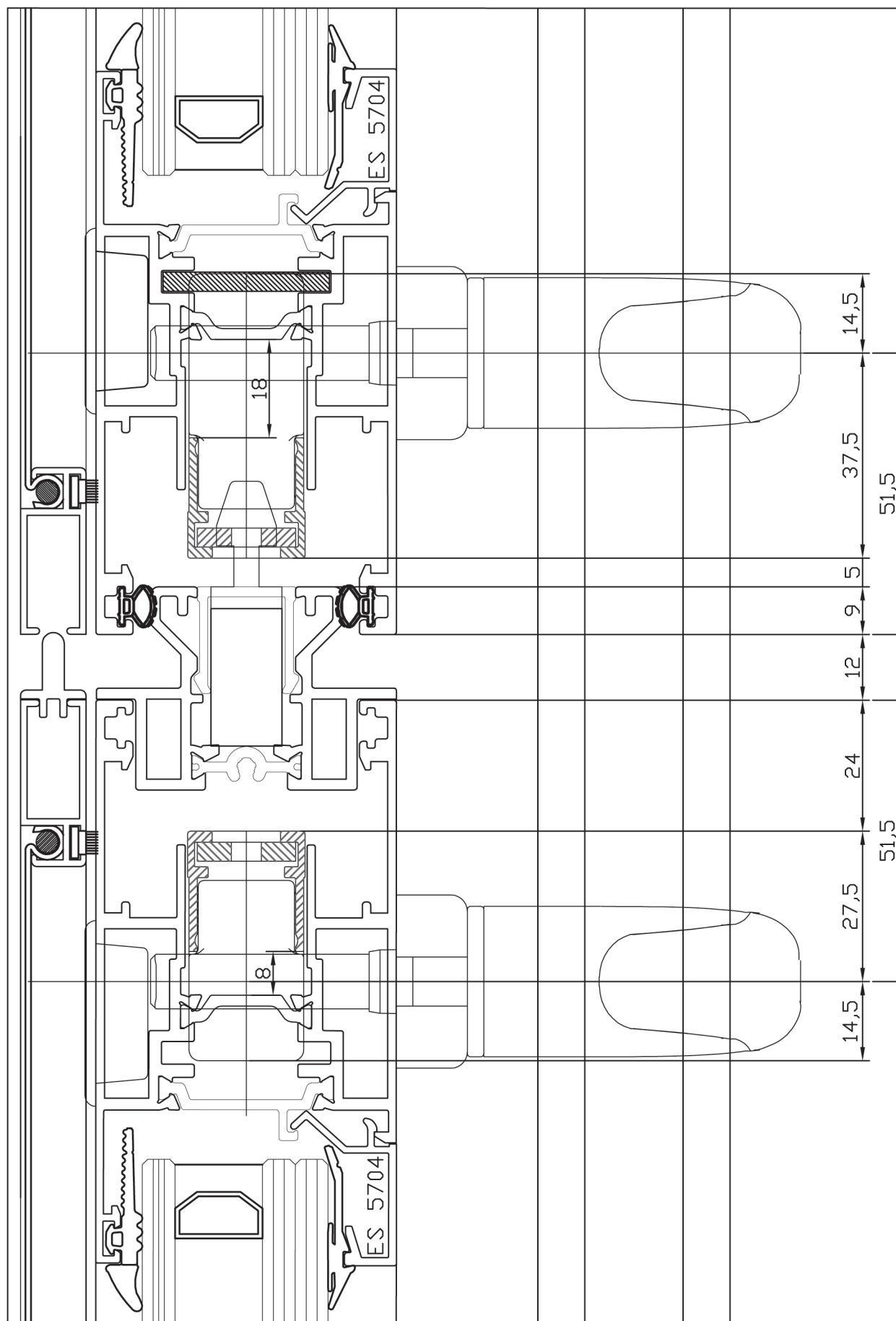
FICHES DE MONTAGE

EKOS
ALUMINIUM COLLECTION

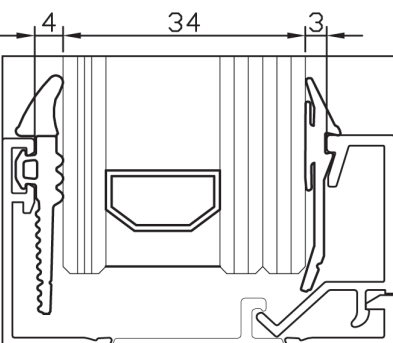
SCHEDE DI MONTAGGIO



SCHEDE DI MONTAGGIO




SCHEDE DI MONTAGGIO




ES 5704 g/m 232

CS 3074 Outer glazing gasket - 4 mm
 CS 3074 Joint de vitrages exterieur - 4 mm
 CS 3074 Guarnizione gingivetro esterna - 4mm




Coextruded (EPDM)

DU 460 Inner glazing gasket - 3 mm
 DU 460 Joint de vitrages interieur - 3 mm
 DU 460 Guarnizione gingivetro interna - 3 mm

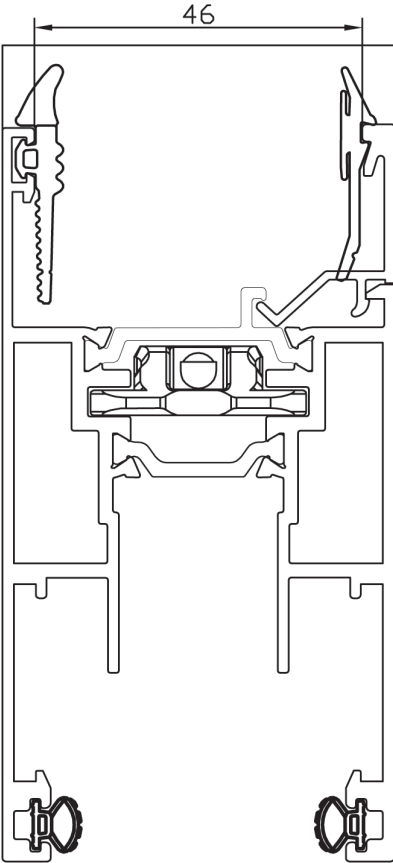


(EPDM)

DU 461 Inner glazing gasket - 5 mm
 DU 461 Joint de vitrages interieur - 5 mm
 DU 461 Guarnizione gingivetro interna - 5 mm



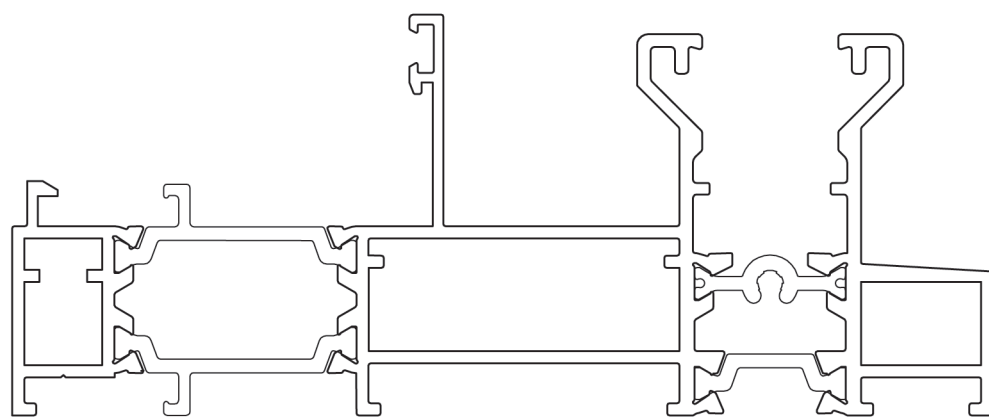
(EPDM)



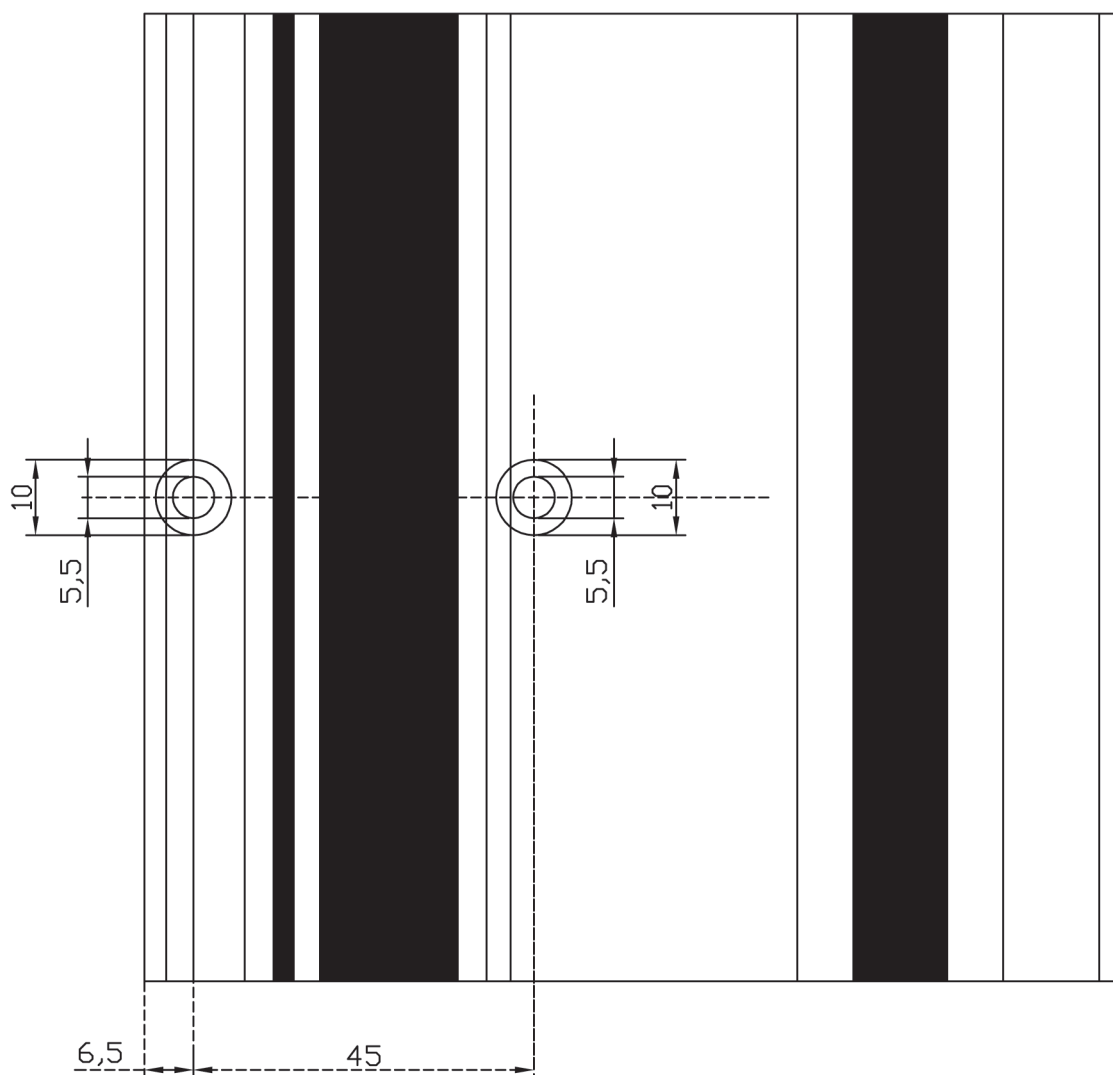
ES 5726 g/m 215

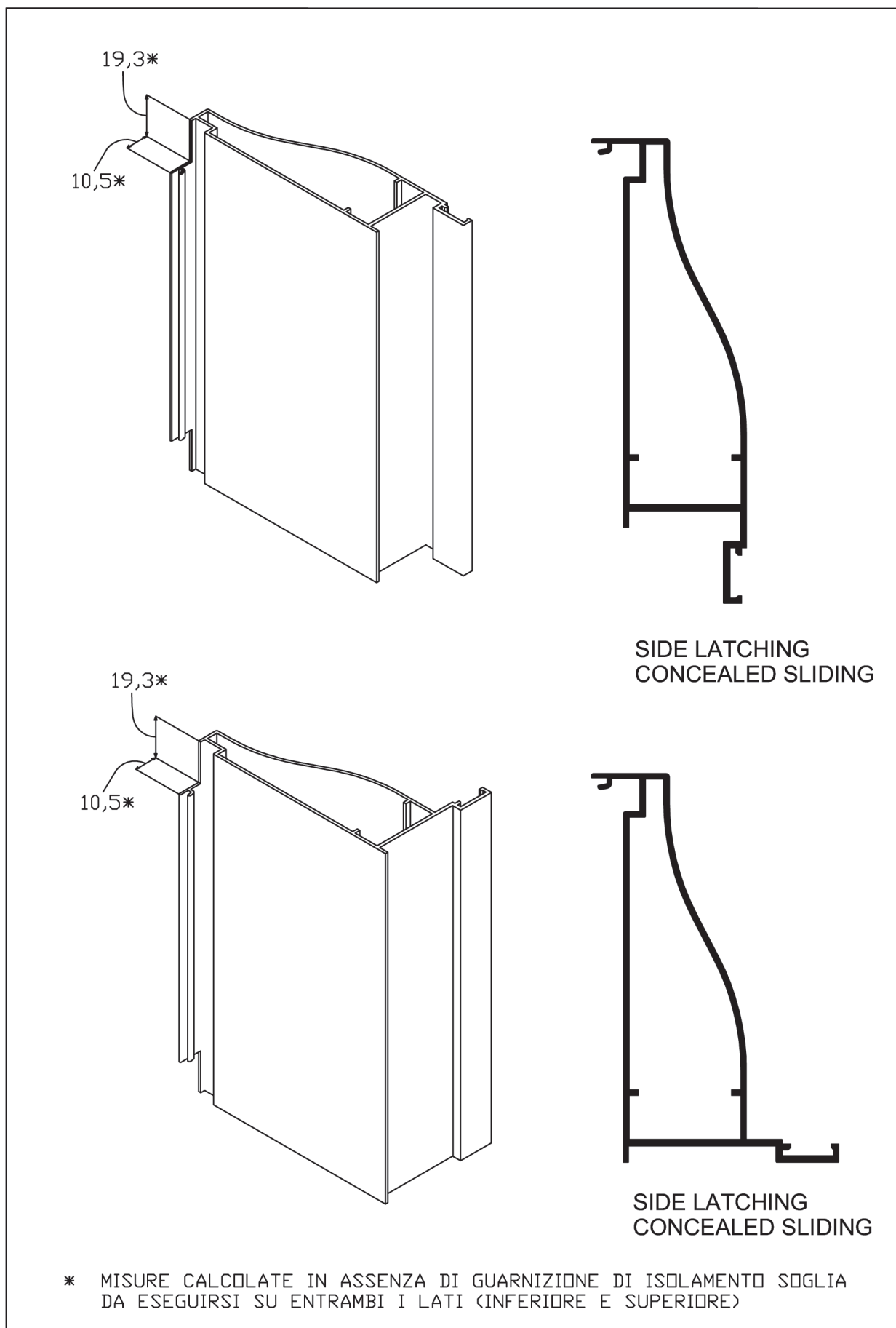
Outer Gasket	Inner Gasket	Glass stop	Glass thickness
CS 3074	DU 460	ES 5726	39 mm
CS 3074	DU 461	ES 5726	37 mm
CS 3074	DU 460	ES 5704	34 mm
CS 3074	DU 461	ES 5704	32 mm

SCHEDE DI MONTAGGIO



vista profilo lato muro fori diametro 5,5 con aselatura da diametro 10 per scomparsa testa vite per staffaggio traversa su telaio





TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



SCHEDE DI VETRAZIONE

GLAZING DETAILS

INSTALLATION DES VITRAGES




EKOS

ALUMINIUM COLLECTION

SCHEDE DI VETRAZIONE

ES 5704 g/m 232

ES 5726 g/m 215

 <p style="text-align: center;">Coestruded (EPDM)</p>	<p>CS 3074 Outer glazing gasket - 4 mm CS 3074 Joint de vitrages exterieur - 4 mm CS 3074 Guarnizione gingivetro esterna - 4mm</p>
 <p style="text-align: center;">(EPDM)</p>	<p>DU 460 Inner glazing gasket - 3 mm DU 460 Joint de vitrages interieur - 3 mm DU 460 Guarnizione gingivetro interna - 3 mm</p>
 <p style="text-align: center;">(EPDM)</p>	<p>DU 461 Inner glazing gasket - 5 mm DU 461 Joint de vitrages interieur - 5 mm DU 461 Guarnizione gingivetro interna - 5 mm</p>


Outer Gasket	Inner Gasket	Glass stop	Glass thickness
CS 3074	DU 460	ES 5726	39 mm
CS 3074	DU 461	ES 5726	37 mm
CS 3074	DU 460	ES 5704	34 mm
CS 3074	DU 461	ES 5704	32 mm

SCHEDE DI VETRAZIONE

ES 5725 g/m 255


ES 5724 g/m 275

CS 3074 Outer glazing gasket - 4 mm
 CS 3074 Joint de vitrages exterieur - 4 mm
 CS 3074 Guarnizione gingivetro esterna - 4mm




Coextruded (EPDM)

DU 460 Inner glazing gasket - 3 mm
 DU 460 Joint de vitrages interieur - 3 mm
 DU 460 Guarnizione gingivetro interna - 3 mm



(EPDM)

DU 461 Inner glazing gasket - 5 mm
 DU 461 Joint de vitrages interieur - 5 mm
 DU 461 Guarnizione gingivetro interna - 5 mm



(EPDM)

Outer Gasket	Inner Gasket	Glass stop	Glass thickness
CS 3074	DU 460	ES 5725	28 mm
CS 3074	DU 461	ES 5725	36 mm
CS 3074	DU 460	ES 5724	24 mm
CS 3074	DU 461	ES 5724	22 mm

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



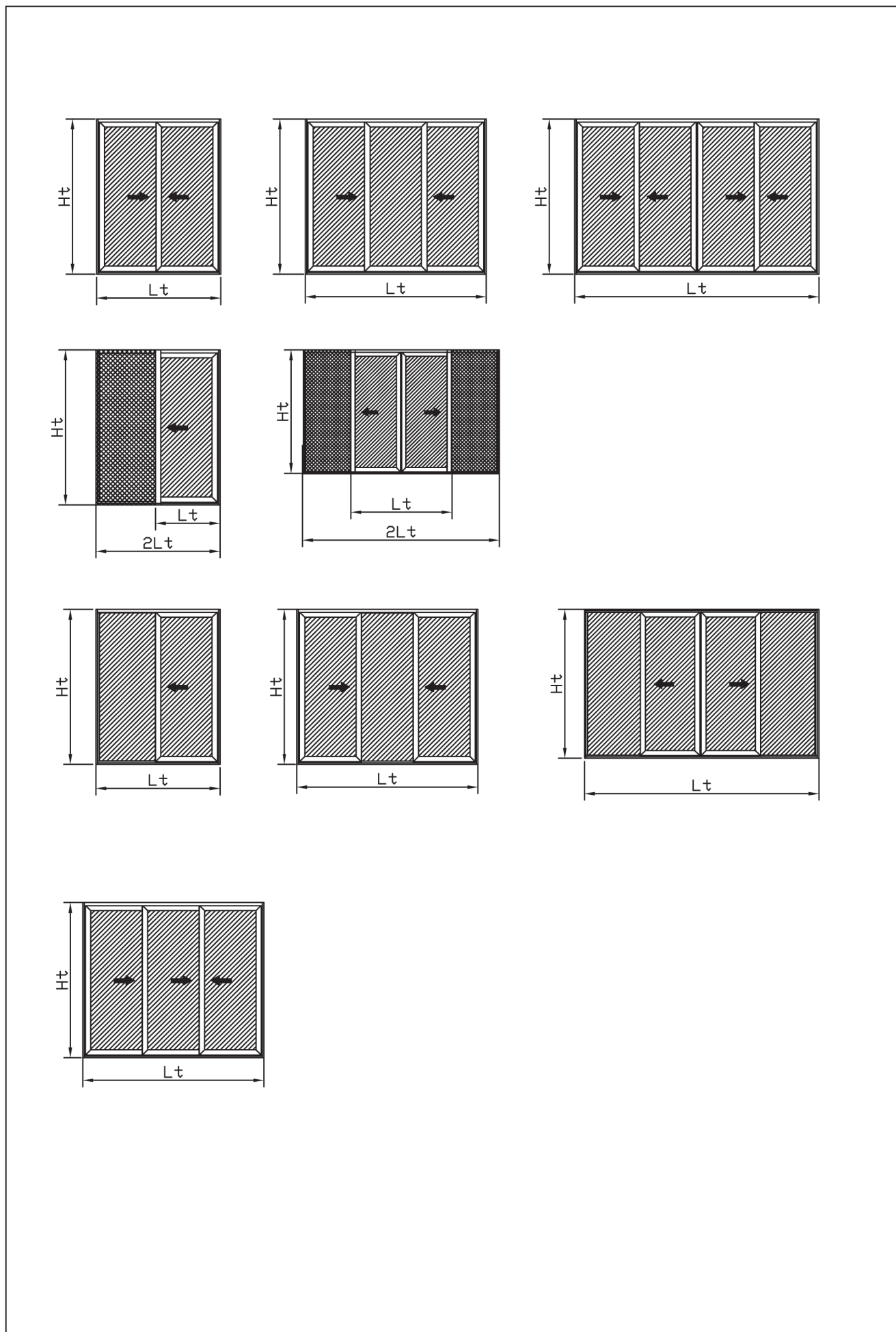
LISTE DI TAGLIO (Riassunto dei modelli)

CUTTING SHEETS

PLANS DE DEBIT

EKOS
ALUMINIUM COLLECTION

RIASSUNTO DEI MODELLI





LISTE DI TAGLIO (Standard sliding on 2 tracks)

CUTTING SHEETS

PLANS DE DEBIT

EKOS

ALUMINIUM COLLECTION



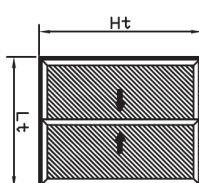
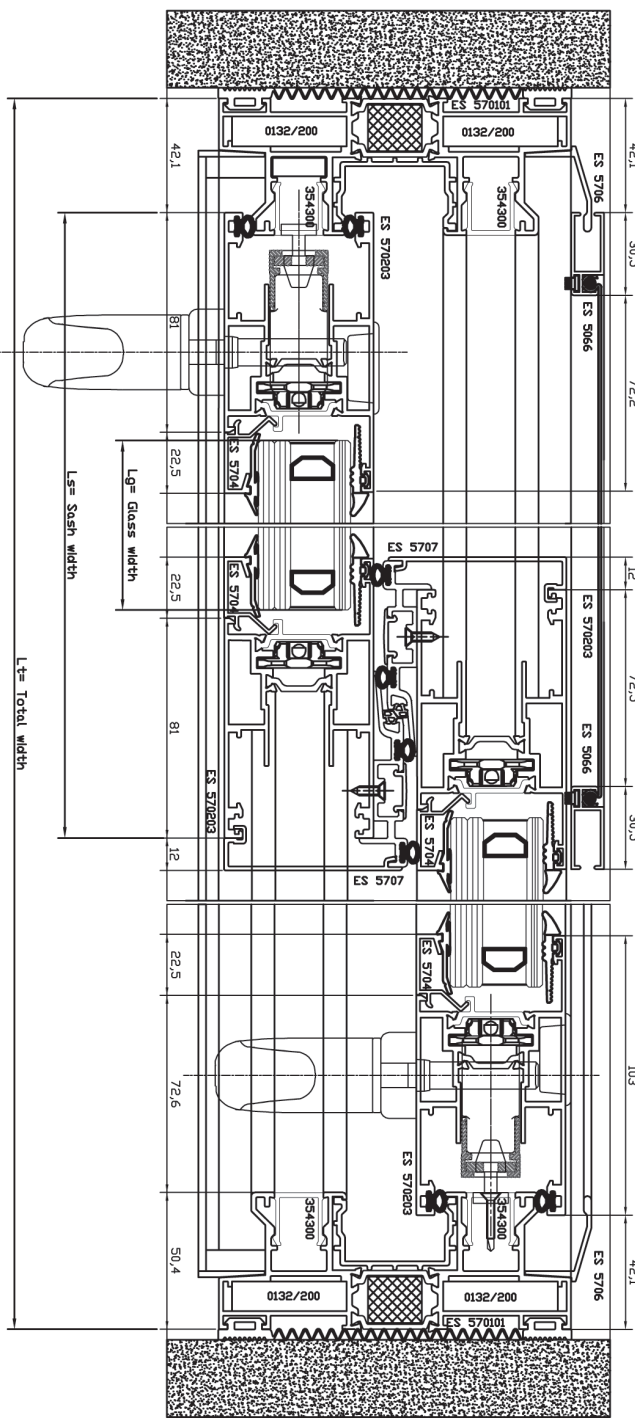
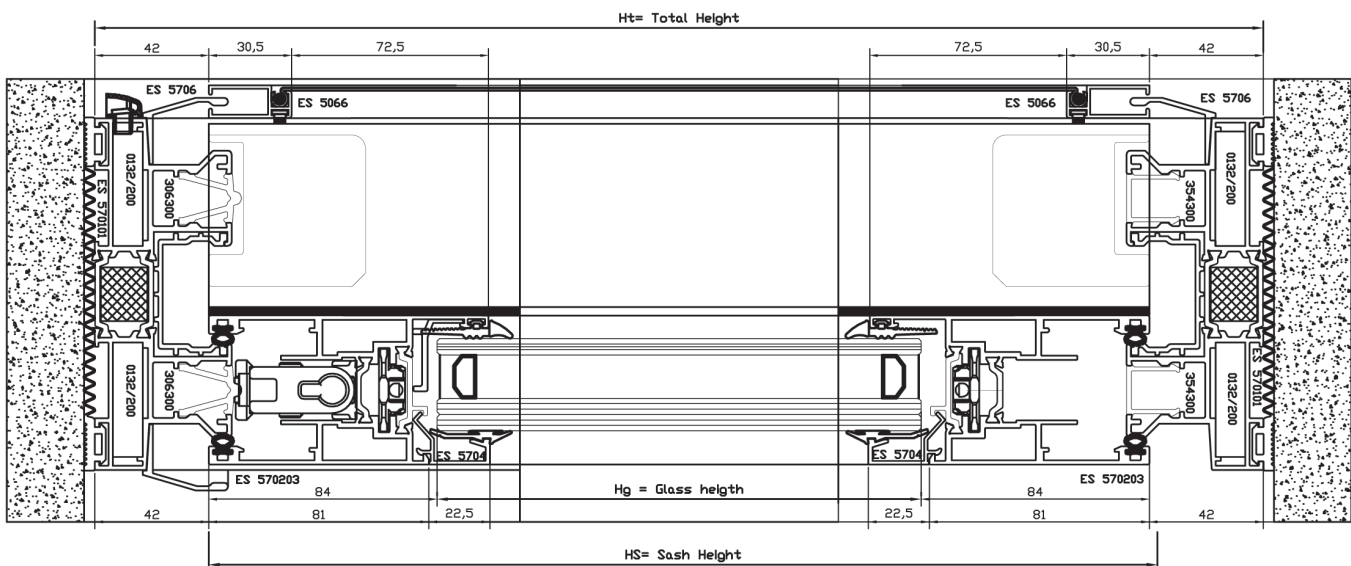
EKOS 1505TH

Thermal break profile system for Lift & Slide windows & doors.
Série coulisants avec soutèvement - figure de pont thermique
Sistema a taglio termico per porte e finestre alzanti e scorrevoli

PROFILATO	PROFILI	RELEASER
ECONOMI CATALOGO	SCHEMA	RESUBBI
		REVISIONE
		DATA
		NUMERO
		NUMERO
		NUMERO

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

2 panels sliding Door - XX Model (Standard sliding) 45°
Porte à 2 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 45°
Porta a 2 ante scorrevoli - Entrambi mobili (Scorrevole standard) 45°



Notes:
Note:

Outer view Vue extérieure Vista esterna		PROFILES PROFILS PROFILI		Codes		Pieces		SIZES		Cutting	
		Codes	Pieces	Codes	Pezzi	Misure	Coupe				
		Codici	Pezzi	Taglio							

Fix frame sill	ES 570101	1	Lt-0	45°-45°
Fix frame top	ES 570101	1	Lt-0	45°-45°
Fix frame Mullions	ES 570101	2	Ht-0	45°-45°
Central profile	ES 5707	2	Ht-84	90°-90°
Sliding transoms	ES 570203	4	Lt/2+4	45°-45°
Sliding Mullions	ES 570203	4	Ht-84	45°-45°
Hor. glass stops	ES 5704	4	Ls-207	90°-90°
Vert. glass stops	ES 5704	4	Hs-162	90°-90°

GASKETS JOINTS GUARNIZIONI		Codes		Quantity	
Centeral polyamide	TF-389900	2	Ht-84	8	
Rail profile	TF-306300	2	Lt-101	16	
Vertical finishing	TF-354300	4	Ht-101	16	
Upper finishing	TF-354300	2	Lt-101	8	
Rods PA 6,6*					

GLAZING VITRATION VETRATURA	Pieces Pezzi	SIZES Misure	(*) Depending on dimensions	
Sliding glass equal size	2	(Lg=Ls-168) x (Hg=Hs-168)		

STANDARD HARDWARE QUILIAILLERIE STANDARD ACCESSORI STANDARD		Codes		Quantity	
Fix frame corner	0132/200	8		8	
Inner Sash corner	GS02923N	8		8	
Sash aligning corner	MT2008	8		8	
Sash anti burglar corner	ES S0100	16		16	
Sash secondary corner	ES S0105	16		16	
Glass thickness		3 mm		8	
Installation fasteners		VARIOUS		(*)	
Installation Screws		VARIOUS		(*)	



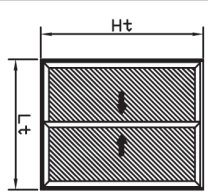
EKOS 150STH
 Thermal break mobile system for Lift & Slide windows & doors.
 Système coulissant avec sélémentent - Fenêtre de port thermique
 Sistema a taglio termico per porte e finestre alzanti e scorrevoli

CHANGING EDITION: 00
 ECONOMIC PACKAGE: 00
 TECHNICAL DRAWING: ST02
 RELEASE DATE: 15/12/2012
 NUMBER OF SHEETS: 00

2 panels sliding Door - XX Model (Standard sliding) 90°
Porte à 2 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 90°
Porta a 2 ante scorrevoli - Entrambi mobili (Scorrevole standard) 90°

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

Outer view
 Vue extérieure
 Vista esterna



PROFILES PROFILOI	Codes Codici	Pieces Pezzi	Sizes Mesures	Cutting Coupe
Fix frame sill	ES 570101	1	Lt-39	90°-90°
Fix frame top	ES 570101	1	Lt-39	90°-90°
Fix frame mullions	ES 571921	2	Ht-0	90°-90°
Central profile	ES 5707	2	Ht-84	90°-90°
Sliding transoms	ES 570203	4	Lt/2+8	45°-45°
Sliding mullions	ES 570203	4	Ht-84	45°-45°
Hor. glass stops	ES 5704	4	Ls-207	90°-90°
Vert. glass stops	ES 5704	4	Hs-162	90°-90°

Notes:
 Notes:
 Note:

PROFILES PROFILOI	Codes Codici	Pieces Pezzi	Sizes Mesures	Cutting Coupe
Latching profile	ES 572020	2	Ht-101	90°-90°
Central polyamide	TF389900	2	Ht-84	90°-90°
Rail profile	TF306300	2	Lt-66	90°-90°
Vertical finishing	TF354300	2	Ht-101	90°-90°
Upper finishing	TF354300	2	Lt-66	90°-90°
Rods PA 6,6*				

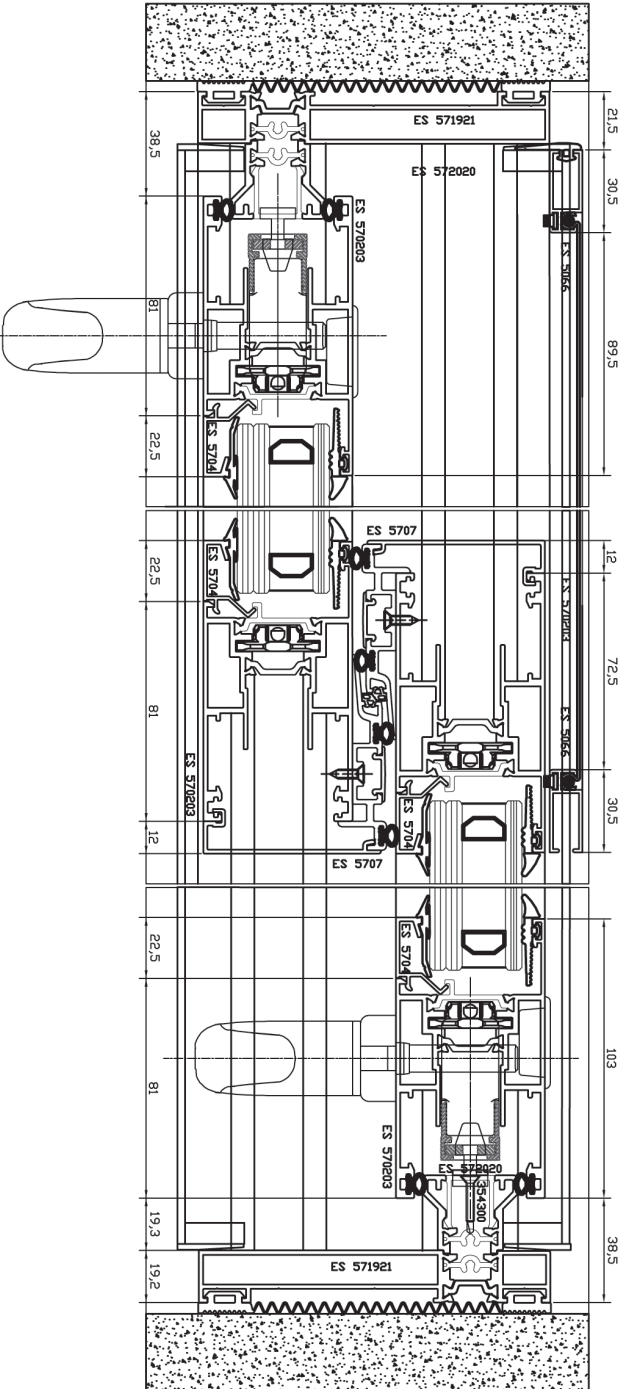
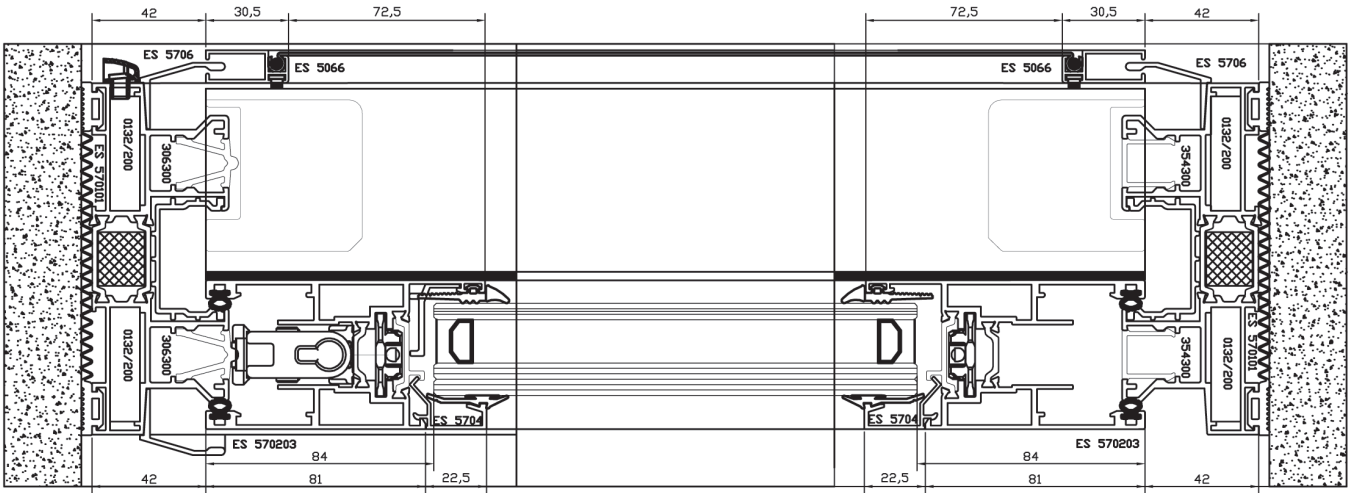
GASKETS JOINTS GUARNIZIONI	Codes Codici	Quantity Quantités
Sash sealing Hor.	HT 12345	Ls x 8
Sash sealing Vert.	HT 12345	Hs x 8
Outer glazing hor.		Ls-168)x4
Inner glazing hor.		Ls-168)x4
Outer glazing vert.		Hs-168)x4
Inner glazing vert.		Hs-168)x4

STANDARD HARDWARE QUIQUAILLERIE STANDARD ACCESSORI STANDARD	Codes Codici	Quantity Quantités
Fix frame T fasteners	052010/250	8
Inner Sash corner	GS02923N	8
Sash aligning corner	MT2008	8
Sash anti burglar corner	ES S0100	16
Sash secondary corner	ES S0105	16
Glass thickness	3 mm	8
Installation fasteners	VARIOUS	(*)
Installation screws	VARIOUS	(*)

GLAZING VITRATION VETRATURA	Pieces Pezzi	Sizes Mesures	Cutting Coupe
Sliding glass equal size	2	(Lg=Ls-168) x (Hg=Hs-168)	

(**) Depending on dimensions

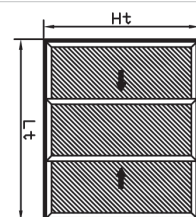
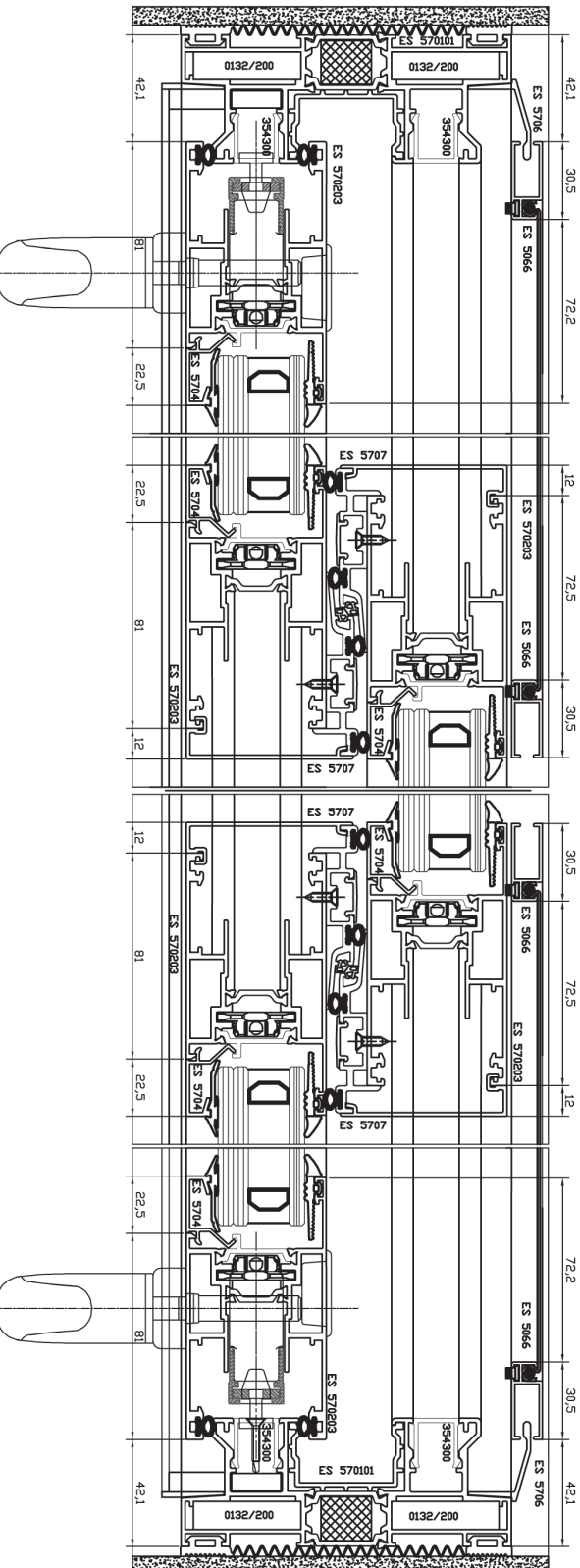
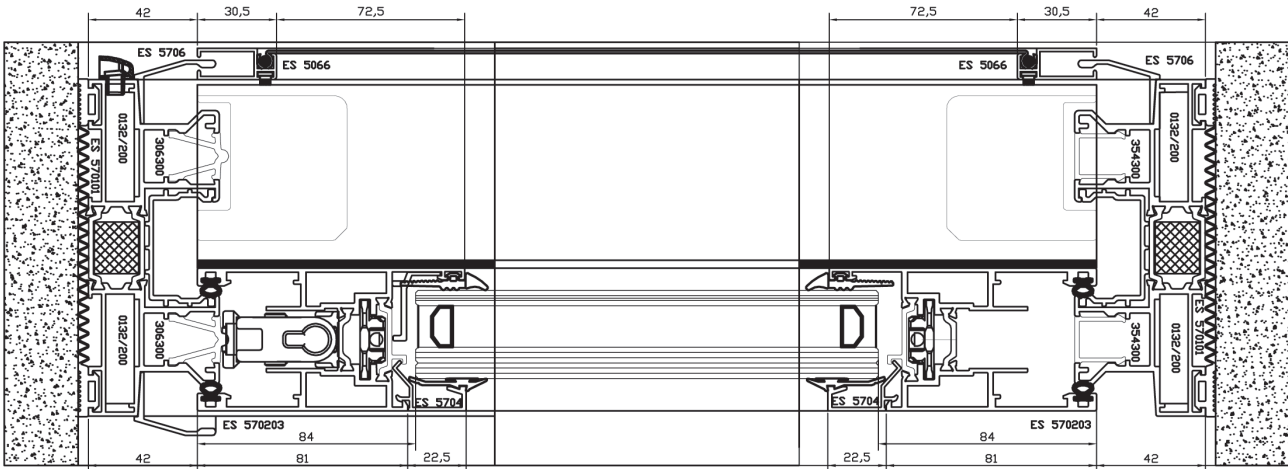
(*) Depending on dimensions



HP **EKOS 1505TH**
 Thermal Break Aluminium Profiles for Doors & Windows
 Système à rupture thermique pour portes et fenêtres aluminium
 Sistema a taglio termico per porte e finestre alluminio

00 ST03 15/12/2012 00

3 panels sliding Door - X0X Model (Standard sliding) Equal panels 45°
 Porte à 3 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 45°
 Porta a 3 ante scorrevoli - 2 mobili e 1 fisso (Scorrevole standard) 45°



Notes:
 Note:

PROFILES PROFILES	Codes Codici	Pieces Pieces	Sizes Mesures	Cutting Coupe
Fix frame sill	ES 570101	1	L t -0	45°-45°
Fix frame top	ES 570101	1	L t -0	45°-45°
Fix frame mullions	ES 570101	2	H t -0	45°-45°
Central profile	ES 5707	4	H t -84	90°-90°
Sliding transoms	ES 570203	6	L t /3+33	45°-45°
Sliding mullions	ES 570203	6	H t -84	45°-45°
Hor. glass stops	ES 5704	6	L s -207	90°-90°
Vert. glass stops	ES 5704	6	H s -162	90°-90°

GASKETS JOINTS	Codes Codici	Quantity Quantities
Standard Hardware	0132/200	8
Inner Sash corner	GS02923N	12
Sash aligning corner	MT2008	12
Sash anti burglar corner	ES S0100	24
Sash secondary corner	ES S0105	24
Glass thickness	3 mm	12
Installation fasteners	VARIOUS	(*)
Installation Screws	VARIOUS	(*)

(*) Depending on dimensions
 SPECIFIC HARDWARE
 QUOILLERIE SPECIFIQUE
 ACCESSORI SPECIFICI
 QUALIFIED SUPPLIERS HARDWARE

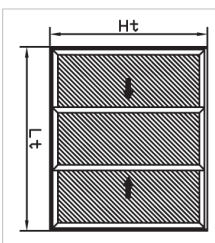
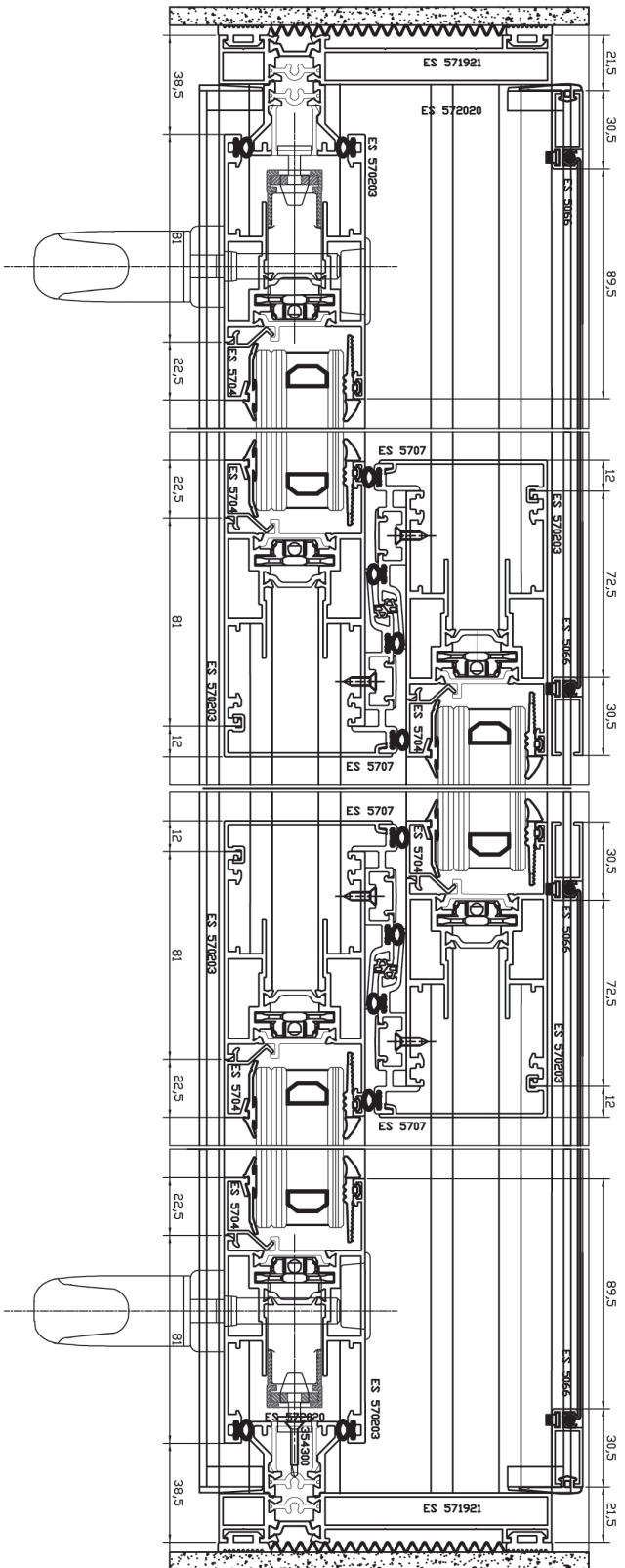
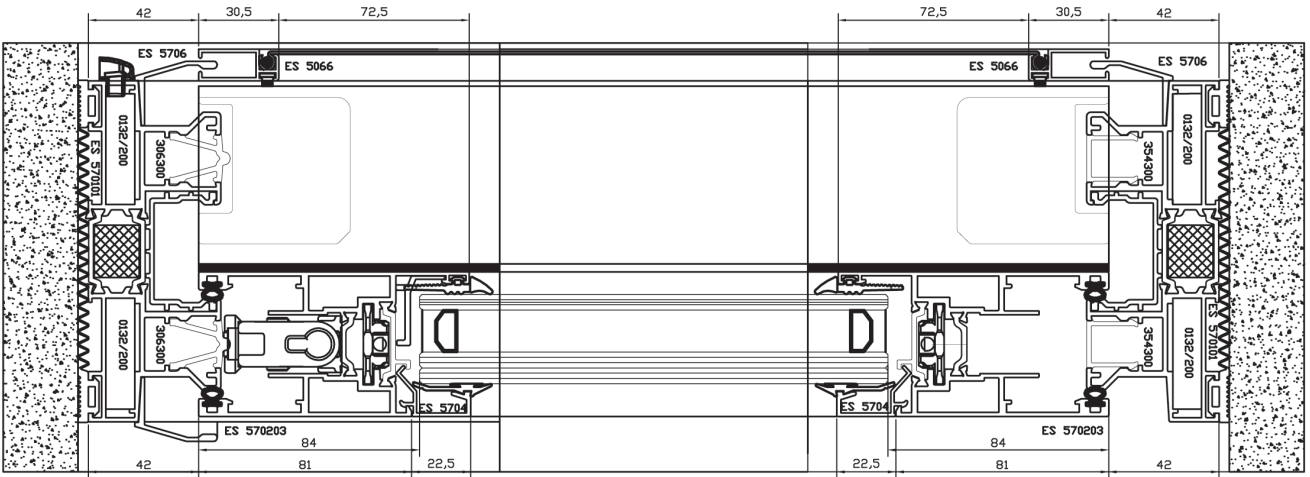
EKOS 1505TH
 Thermal break profile system for LfA Sliding windows & doors
 Série coulissant avec soudage - Rupture de pont thermique
 Sistema a taglio termico per porte e finestre alzanti e scorrevoli

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

00

MANUFACTURE/EDITION: EDICIONE/EDIZIONE: REVISIONE: 00
 DATE: 15/12/2012
 NUMBER: 00

3 panels sliding Door - X0X Model (Standard sliding) Equal panels 90°
Porte à 3 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 90°
Porta a 3 ante scorrevoli - 2 mobili e 1 fisso (Scorrevole standard) 90°



Outer view Vue extérieure Vista esterna		PROFILES PROFILS PROFILI		Codes Codices Codici		Pieces Pièces Pezzi		Sizes Mesures Misure		Cutting Coupe Taglio	
		Fix frame sill	ES 570101	1	Lt-39	90°-90°					
		Fix frame top	ES 570101	1	Lt-39	90°-90°					
		Fix frame mullions	ES 571921	2	Ht-0	90°-90°					
		Central profile	ES 5707	4	Ht-84	90°-90°					
		Sliding transoms	ES 570203	6	Lt/3+36	45°-45°					
		Sliding mullions	ES 570203	6	Ht-84	45°-45°					
		Hor. glass stops	ES 5704	6	Ls-207	90°-90°					
		Vert. glass stops	ES 5704	6	Hs-162	90°-90°					
		Latching profile	ES 572020	2	Ht-101	90°-90°					
		Central polyamide	TF389900	4	Ht-84	90°-90°					
		Rail profile	TF306300	2	Lt-66	90°-90°					
		Vertical finishing	TF354300	2	Ht-101	90°-90°					
		Upper finishing	TF354300	2	Lt-66	90°-90°					
		Rods PA 6,6*									
		(*) Depending on dimensions									

GLAZING VITRATION VETRATURA		Pieces Pièces Pezzi		Sizes Mesures Misure	
	Sliding glass equal size	3	(Lg=Ls-168) x (Hg=Hs-168)		

GASKETS JOINTS GUARNIZIONI		Codes Codices Codici		Quantity Quantités Quantità	
	Sash sealing Hor.	HT 12345	Ls x 12		
	Sash sealing Vert.	HT 12345	Hs x 12		
	Inner glazing hor.	Ls-168	x6		
	Outer glazing hor.	Ls-168	x6		
	Inner glazing vert.	Hs-168	x6		
	Outer glazing vert.	Hs-168	x6		

STANDARD HARDWARE QUILLOUILLERIE STANDARD ACCESSORI STANDARD		Codes Codices Codici		Quantity Quantités Quantità	
	Fix frame T fastener	052010/250	8		
	Inner sash corner	GS02923N	12		
	Sash aligning corner	MT2008	12		
	Sash anti burglar corner	ES S0100	24		
	Sash secondary corner	ES S0105	24		
	Glass thickness	3 mm	12		
	Installation fasteners	VARI0US	(*)		
	Installation Screws	VARI0US	(*)		

SPECIFIC HARDWARE QUILLOUILLERIE SPECIFIQUE ACCESSORI SPECIFICI		Codes Codices Codici		Quantity Quantités Quantità	
	QUALIFIED SUPPLIERS HARDWARE				



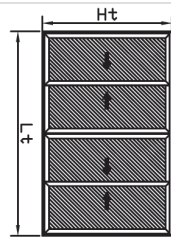
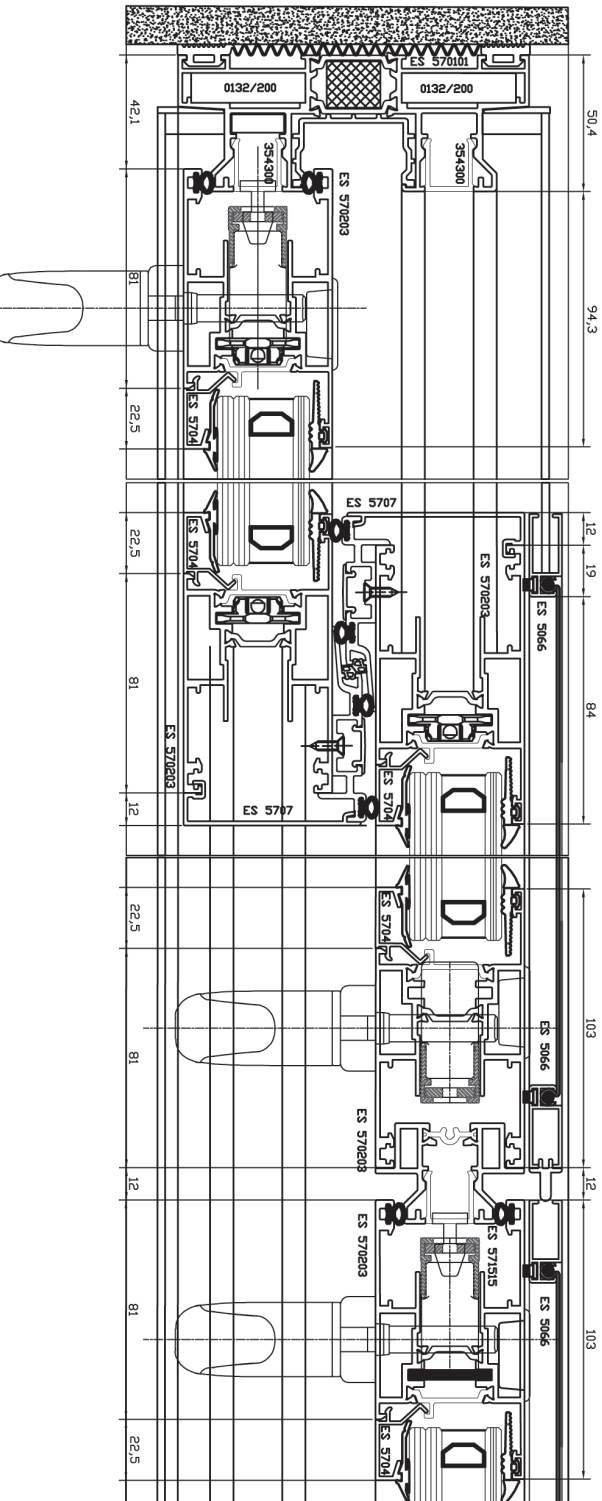
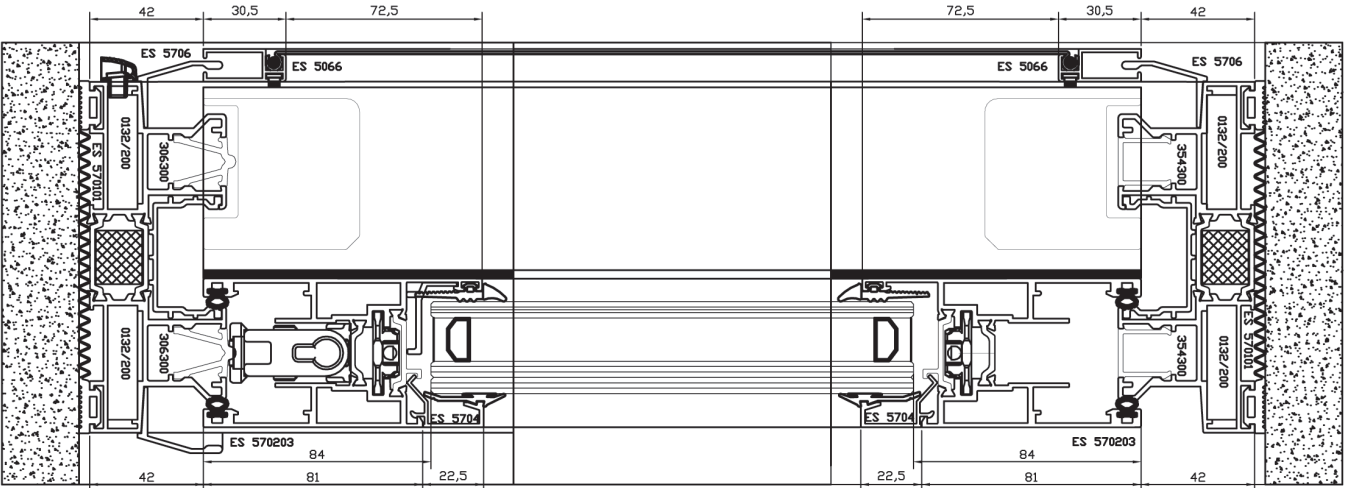
EKOS 1505TH

Thermal break profile system for LTP Sliding windows & doors
Série coulissant avec scellement - Rognure de pont thermique
Sistema a taglio termico per porte e finestre scorrevoli

CONTAPODE EDITIO EDIZIONE QUANTO REVIZIA	FOUR REVIZIA	RELEASE
00	ST05	15/12/2012
00	ST05	15/12/2012
00	ST05	15/12/2012

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

4 panels sliding Door - OXXO Model (Standard sliding) Equal panels 45°
Porte à 4 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 45°
Porta a 4 ante scorrevoli - 2 mobili (Scorrevole standard) 45°



Notes:
Note:

PROFILES PROFILU	Codes Codici	Pieces Pezzi	Sizes Misure	Cutting Coupe Taglio
Fix frame sill	ES 570101	1	Lt-0	45°-45°
Fix frame top	ES 570101	1	Lt-0	45°-45°
Fix frame mullions	ES 570101	2	Ht-0	45°-45°
Central profile	ES 5707	4	Ht-84	90°-90°
Sliding transoms	ES 570203	8	Lt/4+22	45°-45°
Sliding mullions	ES 570203	8	Ht-84	45°-45°
Hor. glass stops	ES 5704	8	Ls-207	90°-90°
Vert. glass stops	ES 5704	8	Hs-162	90°-90°

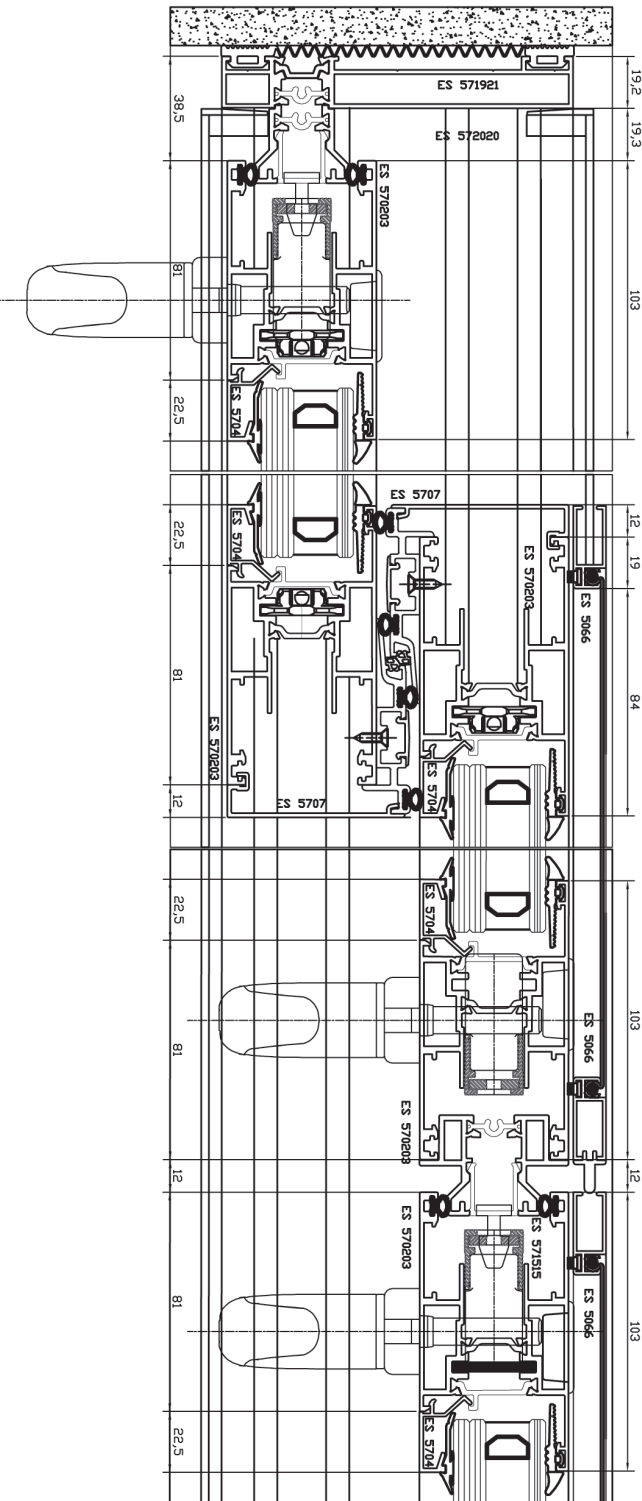
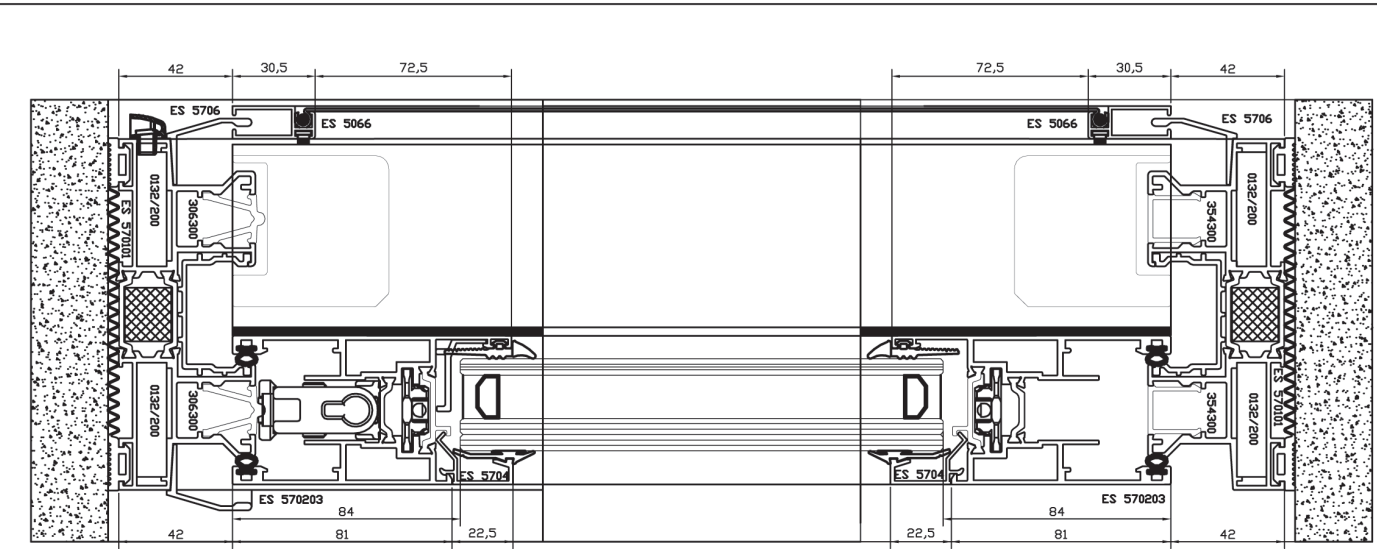
GLAZING VITRATION VETRATURA	Pieces Pièces Pezzi	Sizes Mesures Misure	Codes Codici	Quantity Quantités Quantità
Central polyamide	4	Ht-84	TF389900	16
Rail profile	2	Lt-101	TF306300	32
Vertical finishing	4	Ht-101	TF354300	32
Upper finishing	2	Lt-101	TF354300	16
Rods PA 6,6*	2	Lt-101	TF354300	16

GASKETS JOINTS GUARNIZIONI	Codes Codici	Quantity Quantités Quantità
Sash sealing Hor.	HT 12345	Ls x 16
Sash sealing Vert.	HT 12345	Hs x 14
Outer glazing hor.		Ls-168)x8
Inner glazing hor.		Ls-168)x8
Outer glazing vert.		Hs-168)x8
Inner glazing vert.		Hs-168)x8

STANDARD HARDWARE QUILLOILLERIE STANDARD ACCESSORI STANDARD	Codes Codici	Quantity Quantités Quantità
Fix frame corner	0132/200	8
Inner sash corner	GS02923N	16
Sash aligning corner	MT2008	16
Sash anti burglar corner	ES S0100	32
Sash secondary corner	ES S0105	32
Glass thickness	3 mm	16
Installation fasteners	VARIUS	(*)
Installation screws	VARIUS	(*)

(*): Depending on dimensions

SPECIFIC HARDWARE QUILLOILLERIE SPECIFIQUE ACCESSORI SPECIFICI	Codes Codici	Quantity Quantités Quantità
QUALIFIED SUPPLIERS HARDWARE		



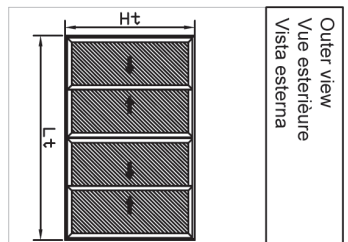
EKOS 150STH

Thermal break profile system for LxH 4 Sliding windows & doors
 Série coulissant avec soulèvement - Raffure de pont thermique
 Sistema a taglio termico per porte e finestre azzanti e scorrevoli

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

CATALOGUE EDITION	POUR	REVISION	RELEASE
BEDON/CAVADO	ES	00	15/12/2012
REVISION	DATE	NUMBER	DATE
ST06	15/12/2012	00	00

4 panels sliding Door - OXXO Model (Standard sliding) Equal panels 90°
 Porte à 4 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 90°
 Porta a 4 ante scorrevoli - 2 mobili (Scorrevole standard) 90°



PROFILES	Codes	Pieces	Sizes	Cutting
PROFIL	Codici	Pezzi	Misure	Taglio
Fix frame sill	ES 57011	1	Lt-39	45°-45°
Fix frame top	ES 57011	1	Lt-39	45°-45°
Fix frame mullions	ES 571920	2	Ht -0	45°-45°
Central profile	ES 5707	4	Ht-84	90°-90°
Sliding transoms	ES 570203	8	Lt/4+22	45°-45°
Sliding mullions	ES 570203	8	Ht-84	45°-45°
Hor. glass stops	ES 5704	8	Ls-207	90°-90°
Vert. glass stops	ES 5704	8	Hs-162	90°-90°
Latching profile	ES 572020	2	Ht-101	90°-90°
Central polyamide	TF389900	4	Ht-84	90°-90°
Rail profile	TF306300	2	Lt-66	90°-90°
Vertical finishing	TF354300	3	Ht-101	90°-90°
Upper finishing	TF354300	2	Lt-66	90°-90°
Rods PA 6,6*				

GLAZING	Pieces	Sizes	Codes	Quantity
VITRIFICATION	Pezzi	Misure	Codici	Quantità
VEETRATURA	Pezzi	Misure	Codici	Quantità
Sliding glass equal size	4	(Lg=Ls-168) x (Hg=Hs-168)		

(**) Depending on dimensions

GASKETS	Codes	Quantity
JOINTS	Codici	Quantità
GUARNIZIONI	Codici	Quantità
Sash sealing Hor.	HT 1Z345	Ls x 16
Sash sealing Vert.	HT 1Z345	Hs x 14
Dutler glazing hor.		(Ls-168)x8
Inner glazing hor.		(Ls-168)x8
Dutler glazing vert.		(Hs-168)x8
Inner glazing vert.		(Hs-168)x8

STANDARD HARDWARE
 QUICQUALLERIE STANDARD
 ACCESSORI STANDARD

ACCESSORI STANDARD	Codes	Quantity
Fix frame T fastener	052010/250	8
Inner sash corner	GS02923N	16
Sash aligning corner	MT2008	16
Sash anti burglar corner	ES S0100	32
Sash secondary corner	ES S0105	32
Glass thickness	3 mm	16
Installation fasteners	VARIOUS	(*)
Installation screws	VARIOUS	(*)

(**) Depending on dimensions

SPECIFIC HARDWARE
 QUICQUALLERIE SPECIFICHE
 ACCESSORI SPECIFICI

SPECIFIC HARDWARE	Codes	Quantity
ACCESSORI SPECIFICI	Codici	Quantità
QUALIFIED SUPPLIERS HARDWARE	Codici	Quantità

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS

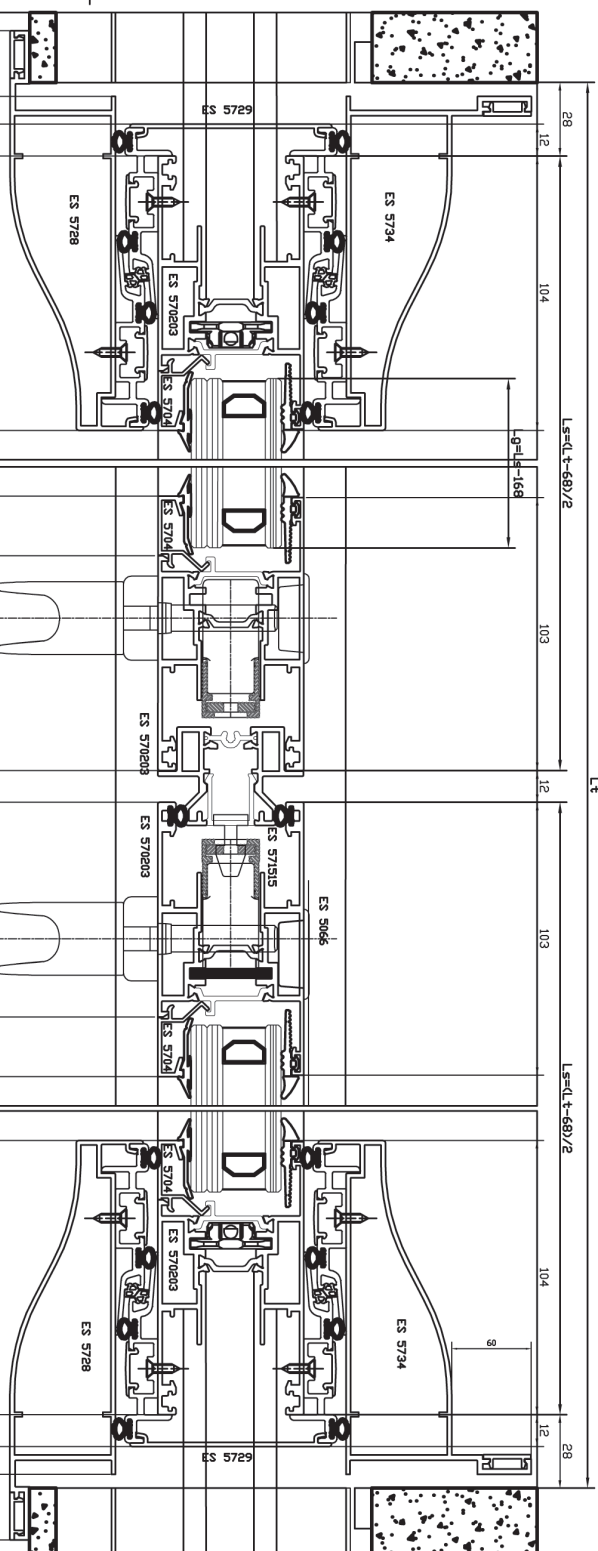
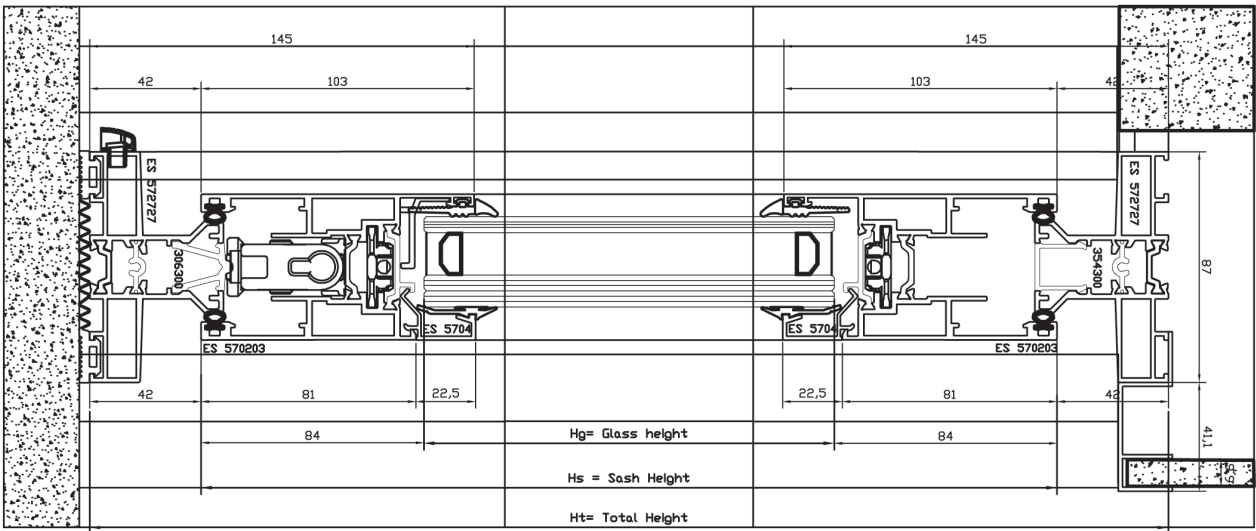


LISTE DI TAGLIO (Concealed Sliding models)

CUTTING SHEETS

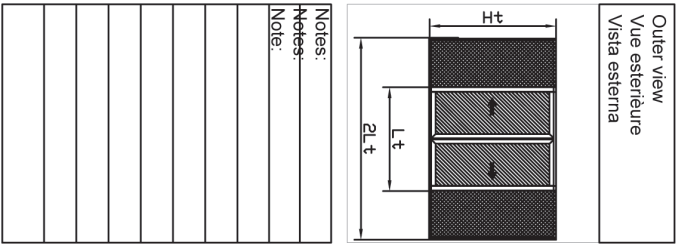
PLANS DE DEBIT

EKOS
ALUMINIUM COLLECTION



HP PROFILATI	Thermal break profiles system for Lift & Slide windows & doors Série coulissant avec coùssement - Ripaire de port thermique Sistema a taglio termico per porte e finestre alzanti e scorrevoli	
	EKOS 150STH	
00	00	ST08 15/12/2012 00

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE
2 panels concealed sliding door - XX Model (Concealed sliding)
Porte à 1 vantaill coulissant - 2 vantaux mobiles (Coulissant en galandage)
Porta a 1 anta scorrevole - 2 ante mobili (Scorrevole a scomparsa)



Outer view Vue extérieure Vista esterna	PROFILES PROFILS PROFIL	Codes Codici	Pieces Pezzi	Sizes Mesures	Cutting Coupe Taglio
	Fix frame sill	ES 572727	1	3Lt-0	90°-90°
	Fix frame top	ES 572727	1	3Lt-0	90°-90°
	Fix frame Mullions	ES 572727	2	Ht-0	90°-90°
	Latching profile	ES 5728	4	Ht-0	90°-90°
	Sliding transoms	ES 570203	4	Lt-34	45°-45°
	Sliding Mullions	ES 570203	4	Ht-84	45°-45°
	Hor. glass stops	ES 5704	4	LS-207	90°-90°
	Vert. glass stops	ES 5704	4	HS-162	90°-90°

GASKETS JOINTS GUARNIZIONI	Codes Codici	Quantities Quantità
Sash sealing Hor.	HT 12345	18
Sash sealing Vert.	HT 12345	18
Outer glazing hor.	LS-168	16
Inner glazing hor.	LS-168	16
Outer glazing vert.	HS-168	16
Inner glazing vert.	HS-168	16

Notes: Notes: Note:	Central profile	Central profile	Central polyamide	Rail profile	Vertical finishing	Upper finishing
	ES 5729	ES 571515	ES 389900	ES 306500	ES 354300	ES 354300
	2	1	8	1	1	1
	Ht -84	Ht -110	Ht-84	2Lt-101	Ht-101	2Lt-101
	90°-90°	90°-90°	90°-90°	90°-90°	90°-90°	90°-90°

SPECIFIC HARDWARE QUIQUALLERIE SPECIFIQUE ACCESSORI SPECIFICI QUALIFIED SUPPLIERS HARDWARE	Codes Codici	Quantities Quantità
Inner Sash corner	GS02923N	8
Sash aligning corner	MT2008	8
Sash anti burglar corner	ES SQ100	16
Glass thickness	3 mm	8
Installation fasteners	VARIOUS	(*)
Installation screws	VARIOUS	(*)

GLAZING VITRIFICATION VETRATURA	Pieces Pezzi	Sizes Mesures	Cutting Coupe Taglio
1	<math>Lg=Ls-168> x <math>(Hg=Hs-168)>	1	90°-90°

(*): Depending on dimensions

(*) Depending on dimensions

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



LISTE DI TAGLIO (1 Panel sliding and one staying in)

CUTTING SHEETS

PLANS DE DEBIT

EKOS
ALUMINIUM COLLECTION



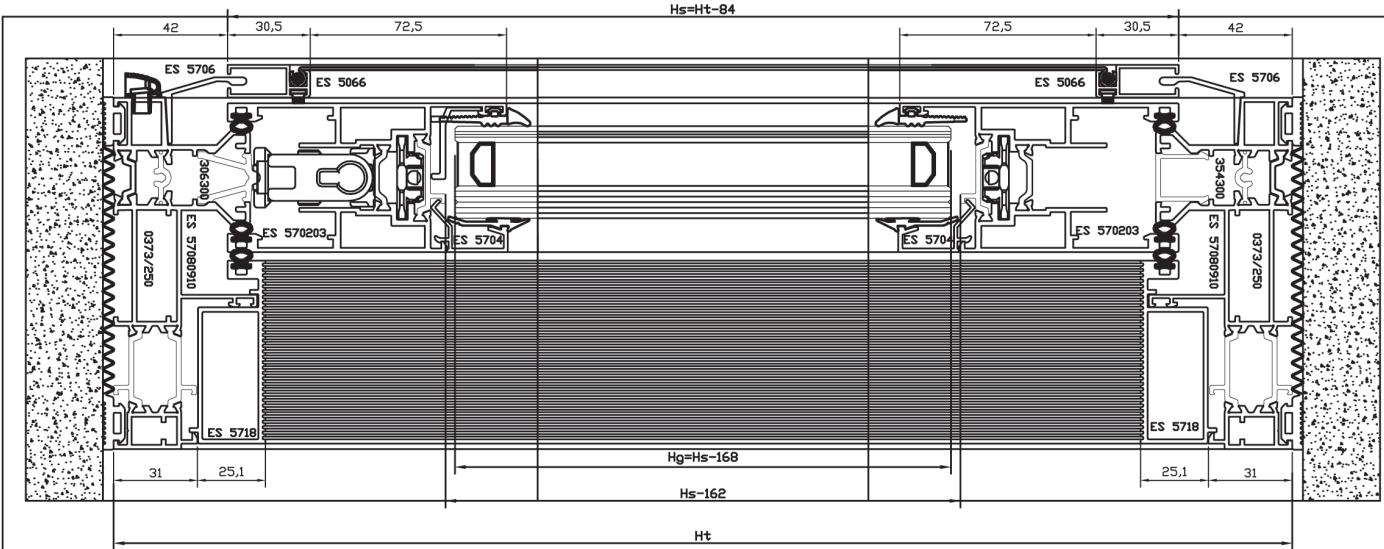
EKOS 1505TH

Thermal break profiles system for LIP Sliding windows & doors
Système à rupture thermique pour les fenêtres coulissantes et portes
Systema a taglio termico per porte e finestre scorrevoli

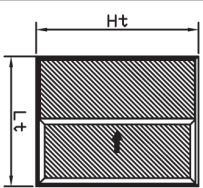
CHANGING EDITION	NOVE	REVISIONE	RELAZE
EDIZIONE CATALOGO	PROFILATI	REVISIONE	RELAZE
CATALOGO CATALOGO	PROFILATI	REVISIONE	RELAZE
00	ST09	115/12/2012	00

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

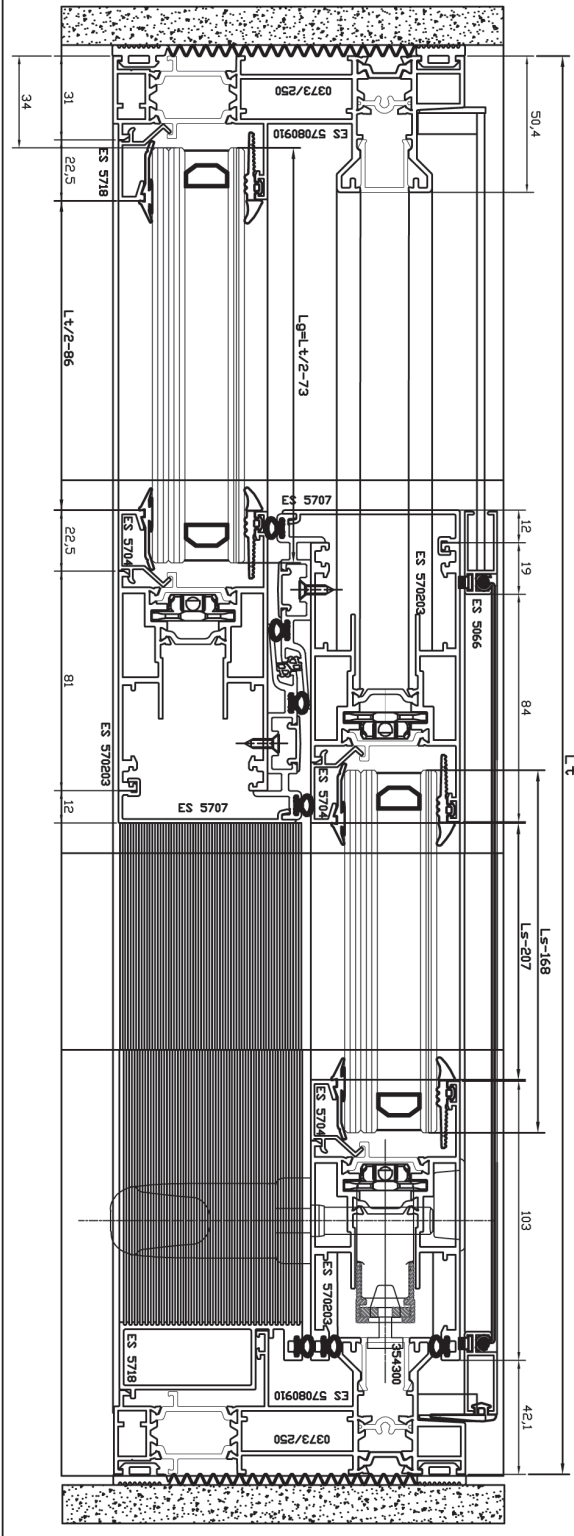
2 panels sliding door - 1 panel sliding and one staying X0 Model -Fix in (45°)
Porte à 2 vantaux coulissantes - 1 vantail mobile un fixe intérieur (45°)
Porta a 2 ante scorrevoli - 1 mobile un fisso interno (45°)



Outer view
Vue extérieure
Vista esterna



Notes:
Note:
Note:



PROFILES PROFIL	Codes Codici	Pieces Pezzi	Sizes Measures Misure	Cutting Coupe Taglio
Fix frame sill	ES 57080910	1	Lt-0	90°-90°
Fix frame top	ES 57080910	1	Lt-0	90°-90°
Fix frame mullions	ES 57080910	1	Ht-0	90°-90°
Fix frame mullions	ES 57080910	1	Ht-0	90°-90°
Transit profile	ES 5718	1	Ht-56	45°-45°
Transit profile	ES 5718	2	Lt/2-86	45°-90°
Sliding transoms	ES 570203	2	Lt/2+4	45°-45°
Sliding mullions	ES 570203	2	Ht-84	45°-45°
Sliding mullions F	ES 570203	1	Ht-50	90°-90°
Hor. glass stops	ES 5704	2	Ls-207	90°-90°
Vert. glass stops	ES 5704	2	Hs-162	90°-90°
Hor. glass stops F	ES 5704	2	Lt/2-112	90°-90°
Vert. glass stops F	ES 5704	2	Ht-62	90°-90°
Central profile	ES 5707	2	Ht-84	90°-90°
Central polyamide	TF389900	2	Ht-84	90°-90°
Rail profile	TF306300	1	Lt-101	90°-90°
Vertical finishing	TF354300	1	Ht-101	90°-90°
Upper finishing	TF354300	1	Lt-101	90°-90°
GLAZING VITRIFICATION VETRATURA		Pieces Pezzi	Sizes Measures Misure	
Sliding glass Vitrification Fk panel glass		1	(Lg=Ls-168) x (Hg=Hs-168) (Lg=Lt/2-73)x(Hg=Ht-70)	

GASKETS JOINTS GUARNIZIONI	Codes Codici	Quantity Quantités Quantità
Sash sealing Hor.	HT 12345	Ls x 4
Sash sealing Vert.	HT 12345	Hs x 6
Outer glazing hor.		(Ls-168)x2
Inner glazing hor.		(Ls-168)x2
Outer glazing vert.		(Hs-168)x2
Inner glazing vert.		(Hs-168)x2
STANDARD HARDWARE QUIQUALLERIE STANDARD ACCESSORI STANDARD	Codes Codici	Quantity Quantités Quantità
Fix frame corner	0373/250	4
Inner Sash corner	GS02923N	4
Sash aligning corner	MT2008	8
Sash anti burglar corner	GS 02921	8
Glass thickness	3 mm	8
Installation fasteners	VARIOUS	(*)
Installation Screws	VARIOUS	(*)

(*) Depending on dimensions
SPECIFIC HARDWARE
QUIQUALLERIE SPECIFIQUE
ACCESSORI SPECIFICI
QUALIFIED SUPPLIERS HARDWARE

IIP PROFILATI

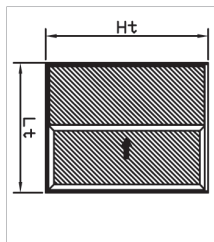
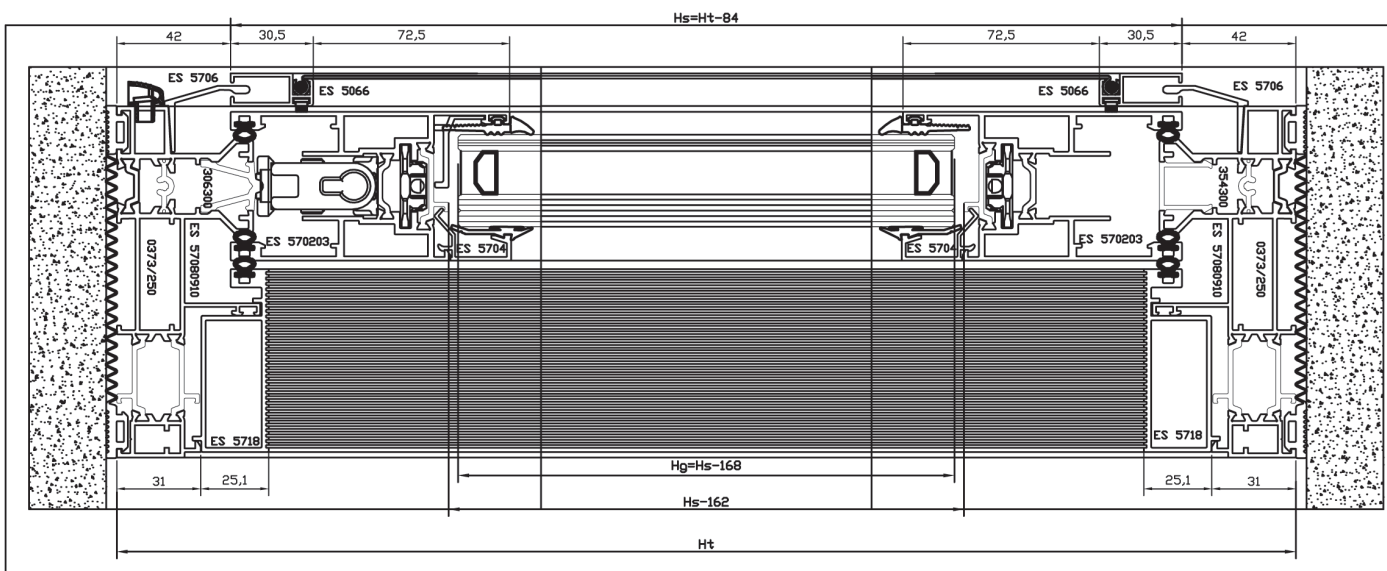
Thermal break profiles system for Lift & Slide windows & doors
Système coulissant avec soutènement - Fenêtre ou port à brèquage
Sistema a taglio termico per porte e finestre a scorrimento e scorrevoli

EKOS 150STH

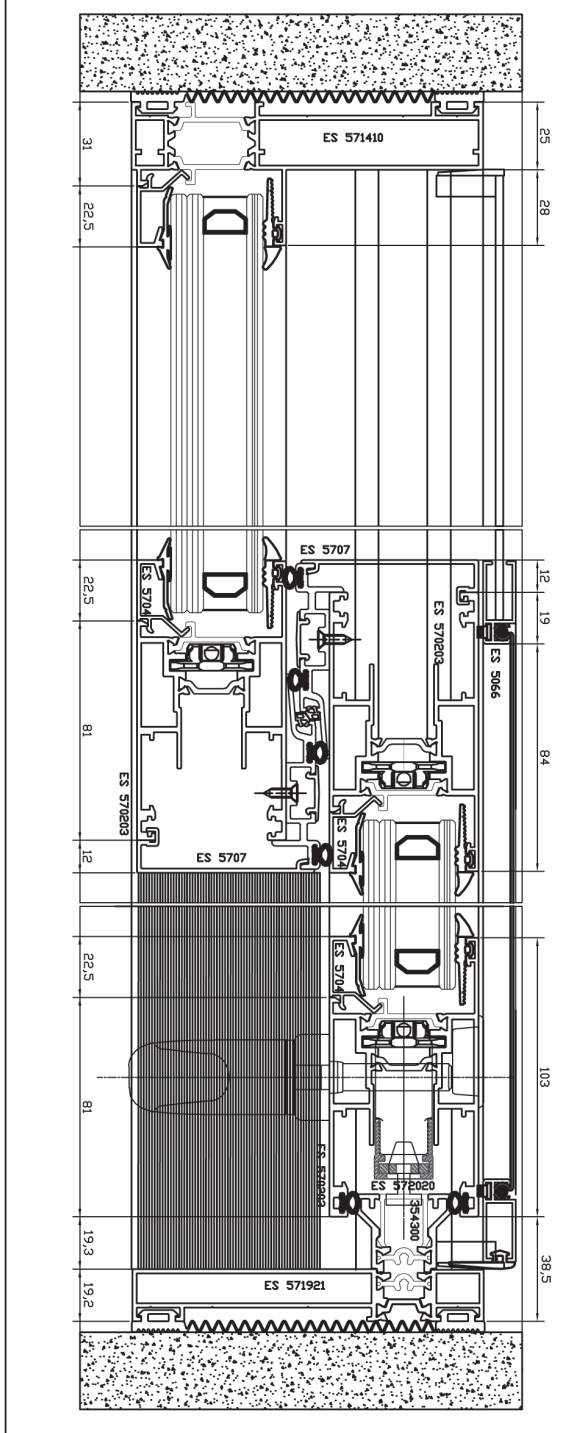
CONTAQUE EDITION	POUR	REVISION	DATE	NUMBER
EDITION CHANGÉE	PROFIL	REVISION	DATE	NUMERO
EDITION CHANGÉE	PROFIL	REVISION	DATE	NUMERO
00	ST10	15/12/2012	00	

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

2 panels sliding door - 1 panel sliding and one staying X0 Model -Fix in (90°)
Porte à 2 vantaux coulissants - 1 vantail mobile un fixe intérieur (90°)
Porta a 2 ante scorrevoli - 1 mobile un fisso interno (90°)



Notes:
Notes:
Note:



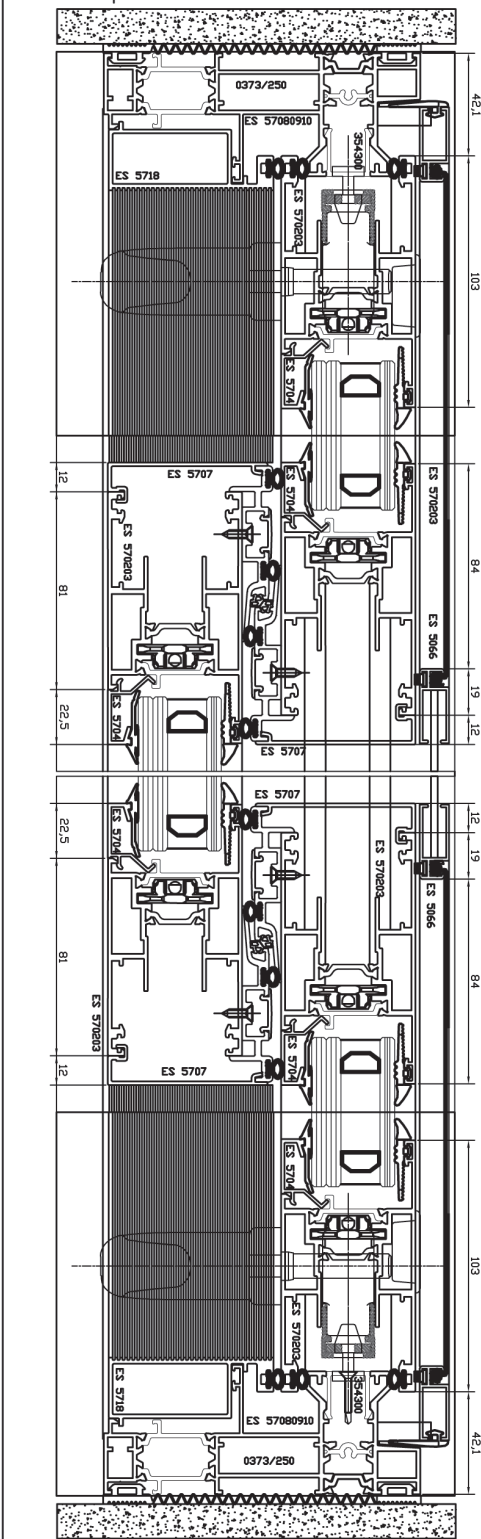
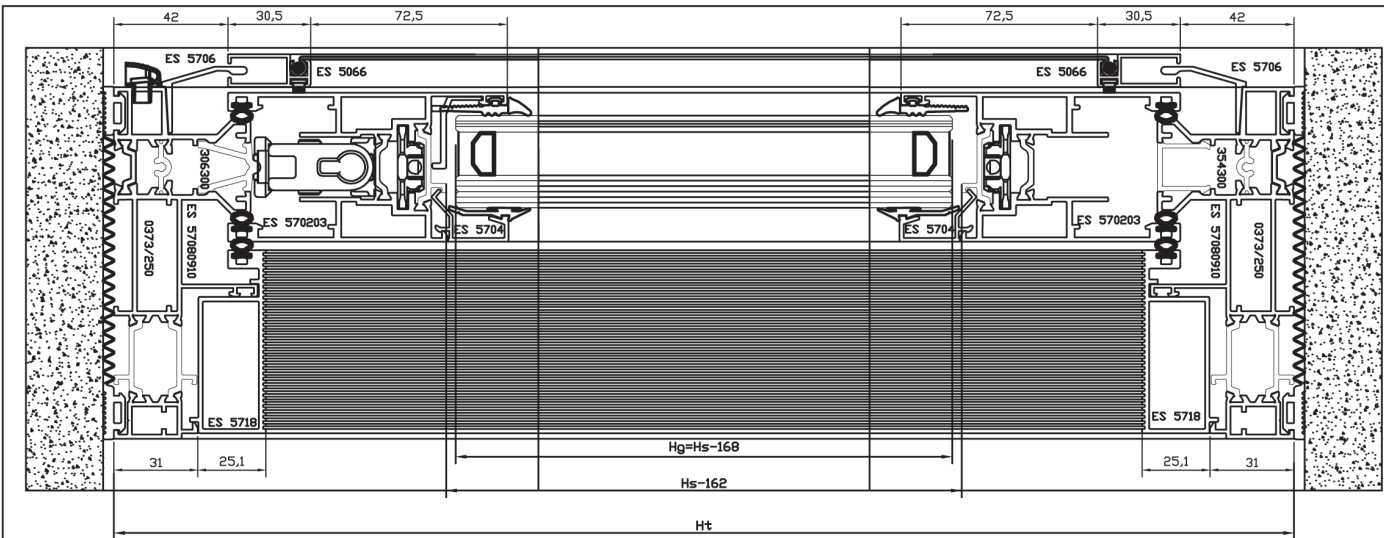
PROFILES PROFIL	Codes Codici	Pieces Pezzi	Sizes Mesures	Cutting Coupe
Fix frame sill	ES 57080910	1	Lt-39	90°-90°
Fix frame top	ES 57080910	1	Lt-39	90°-90°
Fix frame mullions	ES 571410	1	Ht-0	90°-90°
Fix frame mullions	ES 571921	1	Ht-0	90°-90°
Latching profile	ES 572020	1	Ht-101	90°-90°
Transit profile	ES 5718	2	Lt/2-65	90°-90°
Sliding transoms	ES 570203	2	Lt/2+8	45°-45°
Sliding mullions	ES 570203	2	Ht-84	45°-45°
Sliding mullions F	ES 570203	1	Ht-50	90°-90°
Hor. glass stops	ES 5704	2	Ls-207	90°-90°
Vert. glass stops	ES 5704	2	Hs-162	90°-90°
Hor.glass stops F	ES 5704	2	Lt/2-127	90°-90°
Vert.glass stops F	ES 5704	2	Ht-62	90°-90°
Central profile	ES 5707	2	Ht-84	90°-90°
Central polyamide	TF389900	2	Ht-84	90°-90°
Rail profile	TF306300	1	Lt-101	90°-90°
Vertical finishing	TF354300	1	Ht-101	90°-90°
Upper finishing	TF354300	1	Lt-101	90°-90°

GLAZING VITRATION VETRATURA	Pieces Pezzi	Sizes Mesures
Sliding glass	1	(Lg=Ls-168) x (Hg=Hs-168)
Fix panel glass	1	(Lg=Lt/2-88)x(Hg=Ht-70)

GASKETS JOINTS QUARNIZIONI	Codes Codici	Quantity Quantités
Sash sealing Hor.	HT 1Z345	Ls x 4
Sash sealing Vert.	HT 1Z345	Hs x 6
Outer glazing hor.	(Ls-168)x2	(Ls-168)x2
Inner glazing hor.	(Ls-168)x2	(Ls-168)x2
Outer glazing vert.	(Hs-168)x2	(Hs-168)x2
Inner glazing vert.	(Hs-168)x2	(Hs-168)x2

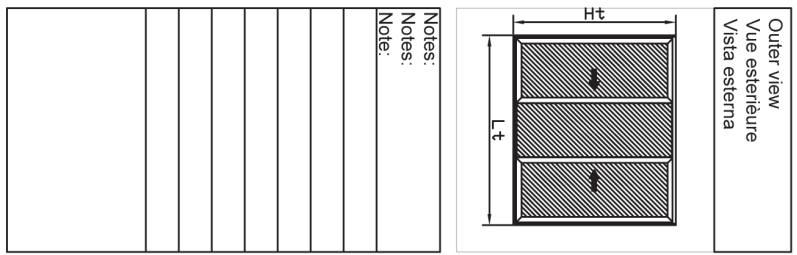
STANDARD HARDWARE QUICQUALLERIE STANDARD ACCESSORI STANDARD	Codes Codici	Quantity Quantités
Fix frame fasteners	GS02923N	4
Inner Sash corner	MT2008	4
Sash aligning corner	GS 02921	8
Sash anti burglar corner	3 mm	8
Glass thickness	3 mm	8
Installation fasteners	VARIUS	(*)
Installation Screws	VARIUS	(*)

SPECIFIC HARDWARE QUICQUALLERIE SPECIFICHE ACCESSORI SPECIFICI	Codes Codici	Quantity Quantités
QUALIFIED SUPPLIERS HARDWARE		



TP PROFILATI		ESKOS 1505TH	
Thermal break profile system for Lix Sliding windows & doors Série coulisants avec soulèvement - Rangée de pont thermique Sistema a taglio termico per porte e finestre scorrevoli			
CATALOGUE EDITION	PROJE	REVISION	DATE
EDIZIONE CATALOGO	PROGETTA	REVISIONE	DATA
00	ST11	15/12/2012	00
Numero	Numero	Numero	Numero
00	00	00	00

3 panels sliding door - 2 panel sliding and one staying XOX Model -Fix in (45°)
Porte à 3 vantaux coulissants - 2 vantaux mobiles un fixe intérieur (45°)
Porta a 3 ante scorrevoli - 2 mobile un fisso interno (45°)



PROFILES PROFIL	Codes Codici	Pieces Pezzi	Sizes Misure	Cutting Coupe Taglio
Fix frame sill	ES 57080910	1	Lt-0	90°-90°
Fix frame top	ES 57080910	1	Lt-0	90°-90°
Fix frame mullions	ES 57080910	1	Ht-0	90°-90°
Fix frame mullions	ES 57080910	1	Ht-0	90°-90°
Transit profile	ES 5718	2	Ht-56	45°-45°
Transit profile	ES 5718	4	Ls-128	45°-90°
Sliding transoms	ES 570203	4	Lt/3+33	45°-45°
Sliding mullions	ES 570203	4	Ht-84	45°-45°
Sliding mullions F	ES 570203	2	Ht-50	90°-90°
Hor. glass stops	ES 5704	4	Ls-207	90°-90°
Vert. glass stops	ES 5704	4	Hs-162	90°-90°
Hor.glass stops F	ES 5704	2	Ls-207	90°-90°
Vert.glass stops F	ES 5704	2	Ht-62	90°-90°
Central profile	ES 5707	4	Ht-84	90°-90°
Central polyamide	TF389900	4	Ht-84	90°-90°
Rail profile	TF306300	1	Lt-101	90°-90°
Vertical finishing	TF354300	1	Ht-101	90°-90°
Upper finishing	TF354300	1	Lt-101	90°-90°

GLAZING VITRATION VETRATURA	Pieces Pezzi	Sizes Misure
Sliding glass Fix panel glass	2	(Lg=Ls-168) x (Hg=Hs-168) (Lg=Ls-168)x(Hg=Ht-70)

GASKETS JOINTS GUARNIZIONI	Codes Codici	Quantity Quantità
Sash sealing Hor.	HT 12345	Ls x 12
Sash sealing Vert.	HT 12345	Hs x 12
Outer glazing hor.		(Ls-168)x6
Inner glazing hor.		(Ls-168)x6
Outer glazing vert.		(Hs-168)x6
Inner glazing vert.		(Hs-168)x6

STANDARD HARDWARE
QUAQUAILLERIE STANDARD
ACCESSORI STANDARD

Codes Codici	Quantity Quantità
0373/250	4
Inner Sash corner	GS02923N
Sash aligning corner	MT2008
Sash anti burglar corner	GS 02921
Glass thickness	3 mm
Installation fasteners	VARIOUS
Installation Screws	VARIOUS

(*) Depending on dimensions
SPECIFIC HARDWARE
QUAQUAILLERIE SPECIFICHE
ACCESSORI SPECIFICI

QUALIFIED SUPPLIERS HARDWARE



EKOS 1505TH

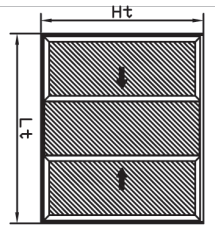
Thermal break profile system for Lift & Slide windows, & doors
Série coulisants avec soulèvement - Rupture de pont thermique
Sistema a taglio termico per porte e finestre alzanti e scorrevoli

CONTOUR ÉDITION	PROFIL	REVUE ÉLÉMENTS
ÉDITION QUALICOOD	SCHEMA	REVISIONE
	DATE	
	DATE	
NUMBER	NUMBER	
00	ST12_1505TH2012_00	

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

3 panels sliding door - 2 panel sliding and one staying X0X Model -Fix in (90°)
Porte à 3 vantaux coulissants - 2 vantaux mobiles un fixe intérieur (90°)
Porta a 3 ante scorrevoli - 2 mobile un fisso interno (90°)

Outer view
Vue extérieure
Vista esterna

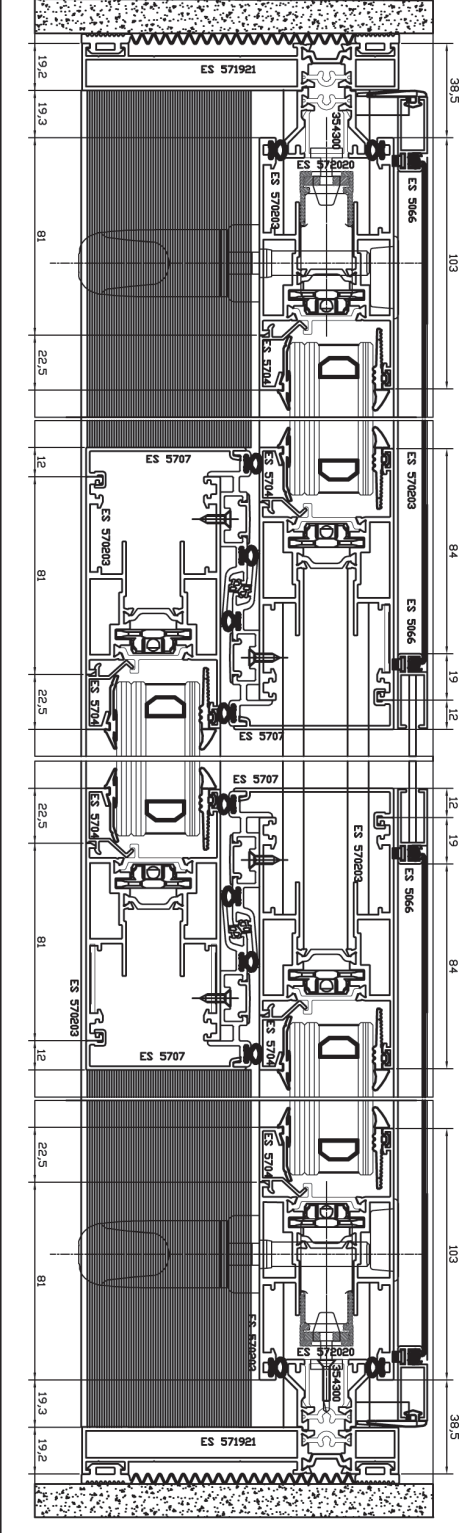
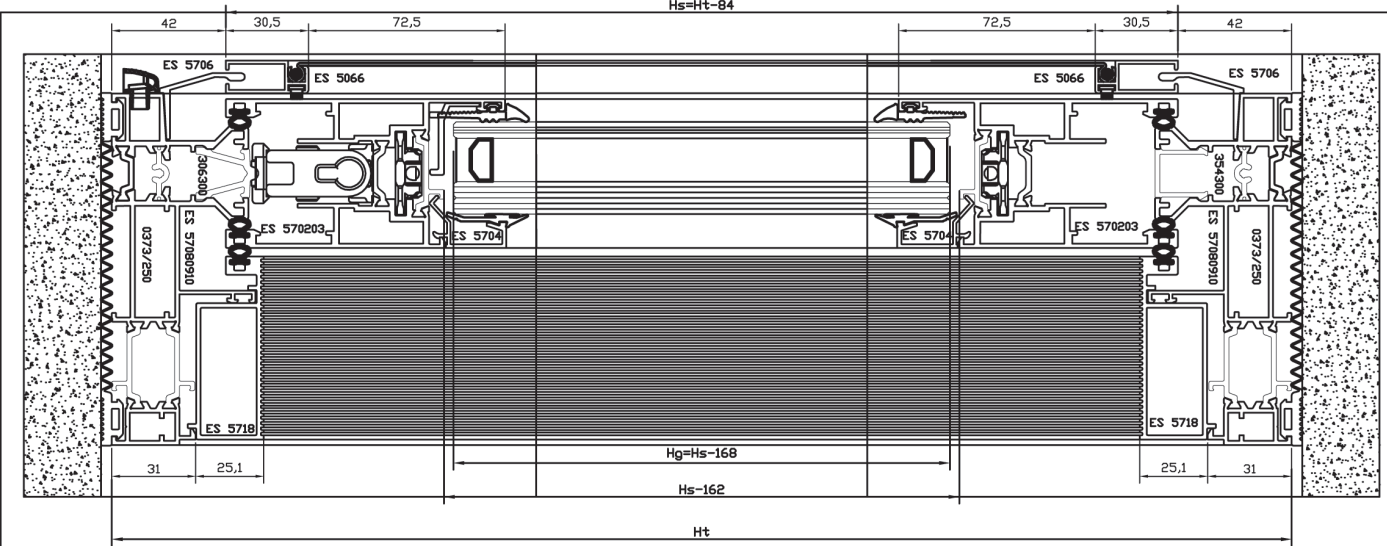


Notes:
Notes:
Note:

PROFILES PROFILS	Codes Codici	Pieces Pezzi	Sizes Misure	Cutting Coupe Taglio
Fix frame sill	ES 57080910	1	Lt-39	90°-90°
Fix frame top	ES 57080910	1	Lt-39	90°-90°
Fix frame Mullions	ES 571921	1	Ht-0	90°-90°
Fix frame Mullions	ES 571921	1	Ht-0	90°-90°
Latching profile	ES 572020	2	Ht-101	90°-90°
Transit profile	ES 5718	4	Ls-120	90°-90°
Sliding transoms	ES 570203	4	Lt+/3+36	45°-45°
Sliding Mullions	ES 570203	4	Ht-84	45°-45°
Sliding Mullions F	ES 570203	2	Ht-50	90°-90°
Hor. glass stops	ES 5704	4	Ls-207	90°-90°
Vert. glass stops	ES 5704	4	Hs-162	90°-90°
Hor.glass stops F	ES 5704	2	Ls-207	90°-90°
Vert.glass stops F	ES 5704	2	Ht-62	90°-90°
Central profile	ES 5707	4	Ht-84	90°-90°
Central polyamide	TF389900	2	Ht-84	90°-90°
Rail profile	TF306300	1	Lt-101	90°-90°
Vertical finishing	TF354300	1	Ht-101	90°-90°
Upper finishing	TF354300	1	Lt-101	90°-90°

GLAZING VITRATION VETRATURA	Pieces Pezzi	Sizes Misure	Codes Codici	Quantity Quantità
Sliding glass Fix panel glass	2	(Lg=Ls-168) x (Hg=Hs-168) (Lg=Ls-168)x(Hg=Ht-70)		

(*) Depending on dimensions
SPECIFIC HARDWARE
QUICQUALLERIE SPECIFICHE
ACCESSORI SPECIFICI
QUALIFIED SUPPLIERS HARDWARE



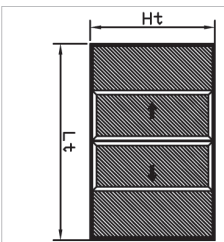
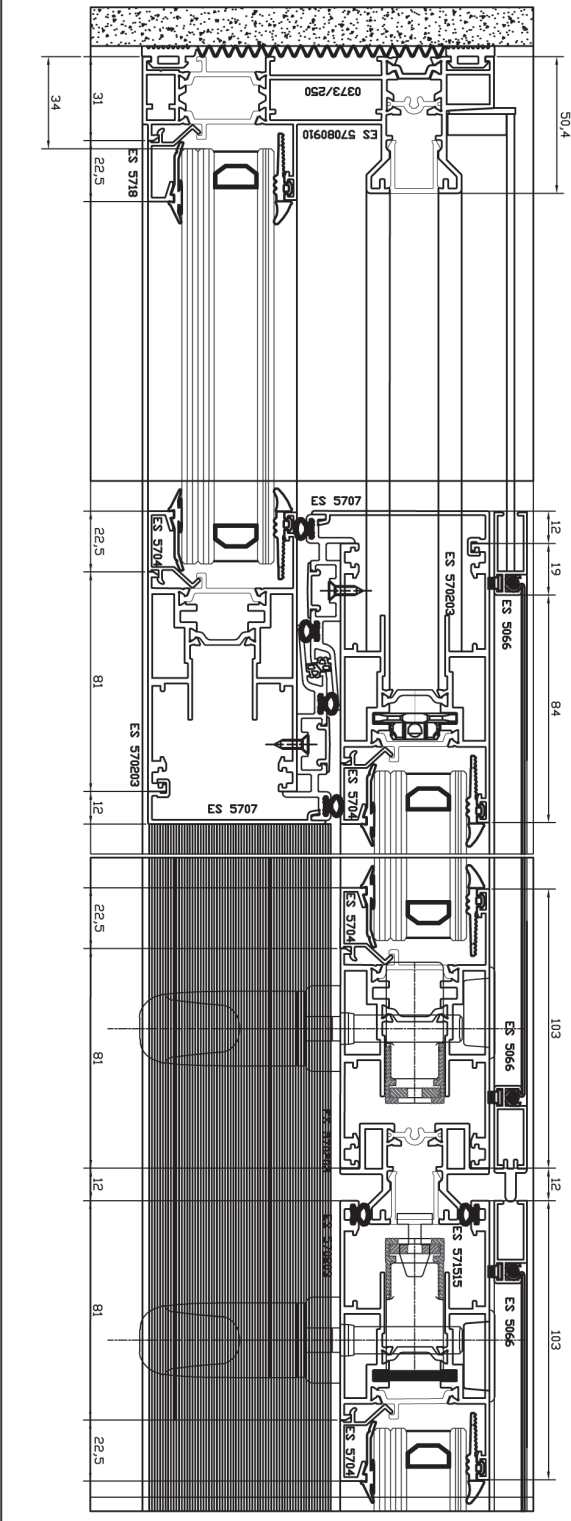
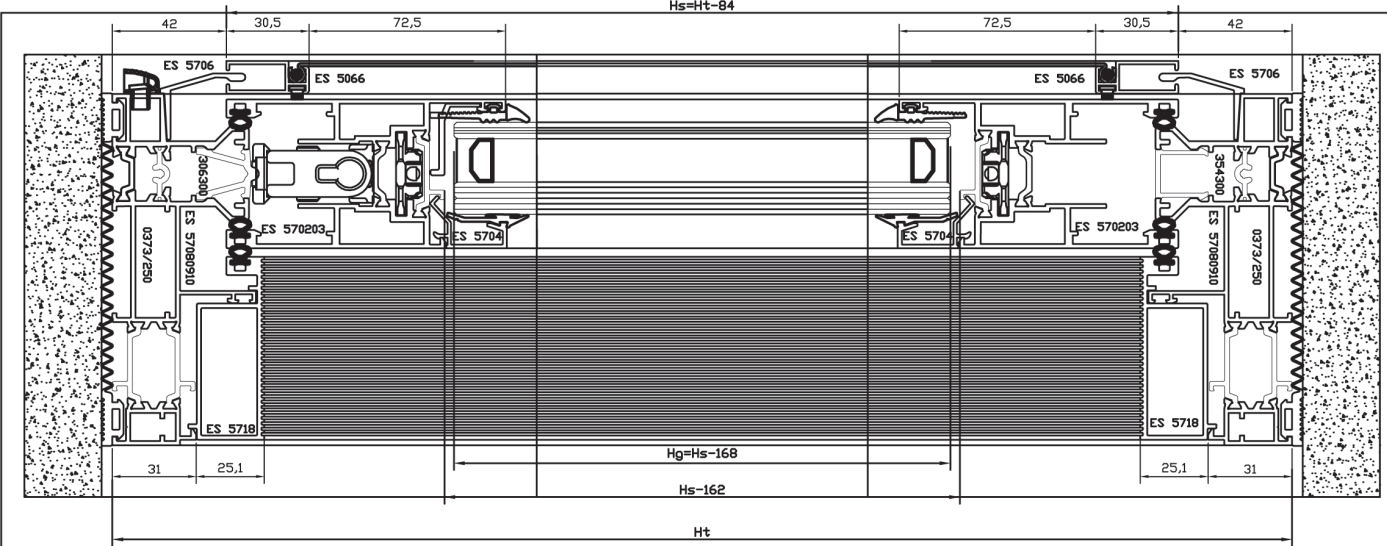


EKOS 1505TH
Thermal break profiles system for L, E, Sliding windows & doors
Sistemi di profili in alluminio a taglio termico per porte e finestre alzanti e scorrevoli.
Sistema a taglio termico per porte e finestre alzanti e scorrevoli.

CHANGING EDITION	FOUR	RELEASE
EDITION CATALOGUE	FOUR	REVISION
STATUS CATALOGUE	FOUR	DATE
00	ST13	15/12/2012
00	ST13	15/12/2012
00	ST13	15/12/2012

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

4 panels sliding door - 2 panel sliding and one staying OXXO Model -Fix out
Porte à 4 vantaux coulissants - 2 vantaux mobiles un fixe extérieur
Porta a 4 ante scorrevoli - 2 mobile un fisso esterno



Outer view Vue extérieure Vista esterna	
PROFILES PROFILS PROFILI	Codes Codici
Fix frame sill	ES 57080910
Fix frame top	ES 57080910
Fix frame mullions	ES 57080910
Fix frame mullions	ES 57080910
Transit profile	ES 5718
Sliding transoms	ES 570203
Sliding mullions	ES 570203
Sliding mullions F	ES 570203
Hor. glass stops	ES 5704
Vert. glass stops	ES 5704
Hor.glass stops F	ES 5704
Vert.glass stops F	ES 5704
Central profile	ES 5707
Central polyamide	TF389900
Rail profile	TF306300
Vertical finishing	TF354300
Upper finishing	TF354300

PROFILES PROFILS PROFILI	Codes Codici	Pieces Pezzi	Sizes Mesures	Cutting Coupe Taglio
Fix frame sill	ES 57080910	1	Lt-0	90°-90°
Fix frame top	ES 57080910	1	Lt-0	90°-90°
Fix frame mullions	ES 57080910	1	Ht-0	90°-90°
Fix frame mullions	ES 57080910	1	Ht-0	90°-90°
Transit profile	ES 5718	2	2Ls-163	90°-90°
Sliding transoms	ES 570203	4	Lt/4+22	45°-45°
Sliding mullions	ES 570203	4	Ht-84	45°-45°
Sliding mullions F	ES 570203	2	Ht-50	90°-90°
Hor. glass stops	ES 5704	2	Ls-207	90°-90°
Vert. glass stops	ES 5704	2	Hs-162	90°-90°
Hor.glass stops F	ES 5704	4	Lt/4-112	90°-90°
Vert.glass stops F	ES 5704	4	Ht-62	90°-90°
Central profile	ES 5707	4	Ht-84	90°-90°
Central polyamide	TF389900	4	Ht-84	90°-90°
Rail profile	TF306300	1	Lt-101	90°-90°
Vertical finishing	TF354300	1	Ht-101	90°-90°
Upper finishing	TF354300	1	Lt-101	90°-90°

GLAZING VITRATION VETRATURA	Pieces Pezzi	Sizes Mesures	Cutting Coupe Taglio
Sliding glass	2	(Lg=Ls-168) x (Hg=Hs-168)	
Fix panel glass	1	(Lg=Lt/4-73)x(Hg=Ht-70)	

GASKETS JOINTS GUARNIZIONI	Codes Codici	Quantity Quantités Quantità
Sash sealing Hor.	HT 1Z345	Ls x 8
Sash sealing Vert.	HT 1Z345	Hs x 10
Outer glazing hor.		Ls-168)x8
Inner glazing hor.		Ls-168)x8
Outer glazing vert.		Hs-168)x8
Inner glazing vert.		Hs-168)x8

STANDARD HARDWARE
QUILQUILLERIE STANDARD
ACCESSORI STANDARD

Codes Codici	Quantity Quantités Quantità
Fix frame corner	0373/250
Inner Sash corner	GS02923N
Sash aligning corner	MT2008
Sash anti burglar corner	GS 02921
Glass thickness	3 mm
Installation fasteners	VARIOUS
Installation Screws	VARIOUS

(*) Depending on dimensions
SPECIFIC HARDWARE
QUILQUILLERIE SPECIFIQUE
ACCESSORI SPECIFICI

QUALIFIED SUPPLIERS HARDWARE

TP PROFILATI

EKOS 150STH

ALUMINIUM COLLECTION

THERMAL BREAK COLLECTIONS



LISTE DI TAGLIO (Modelli per 3 vie)

CUTTING SHEETS

PLANS DE DEBIT

EKOS

ALUMINIUM COLLECTION

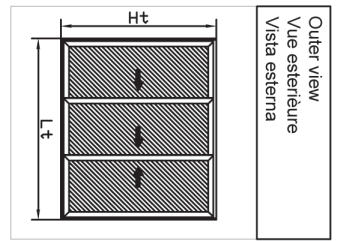
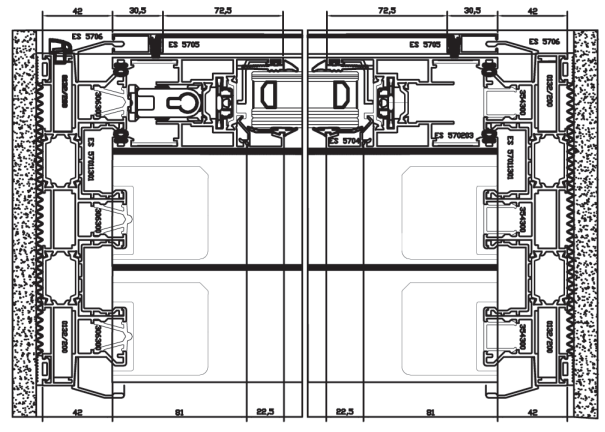


EKOS 1505TH
Thermal break profile system for L-t & S sliding windows & doors
Série coulisssant avec soudement - Rupture de pont thermique
Sistema a taglio termico per porte e finestre alzanti e scorrevoli

CATALOGUE EDITION	POUR	REVISION
EDITION CATALOGUE	SYSTEME	DATE
00	ST16	15/07/2012
NUMERO	NUMERO	NUMERO
00	ST16	15/07/2012

CUTTING SHEETS / MATERIALS - PLANS DE DEBIT - LISTE DI TAGLIO E DISTINTE

3 panels sliding Door - XOX Model (Standard sliding) 90°
Porte à 3 vantaux coulissants - 2 vantaux mobiles (Coulissant standard) 90°
Porta a 3 ante scorrevoli - 2 mobili (Scorrevole standard) 90°



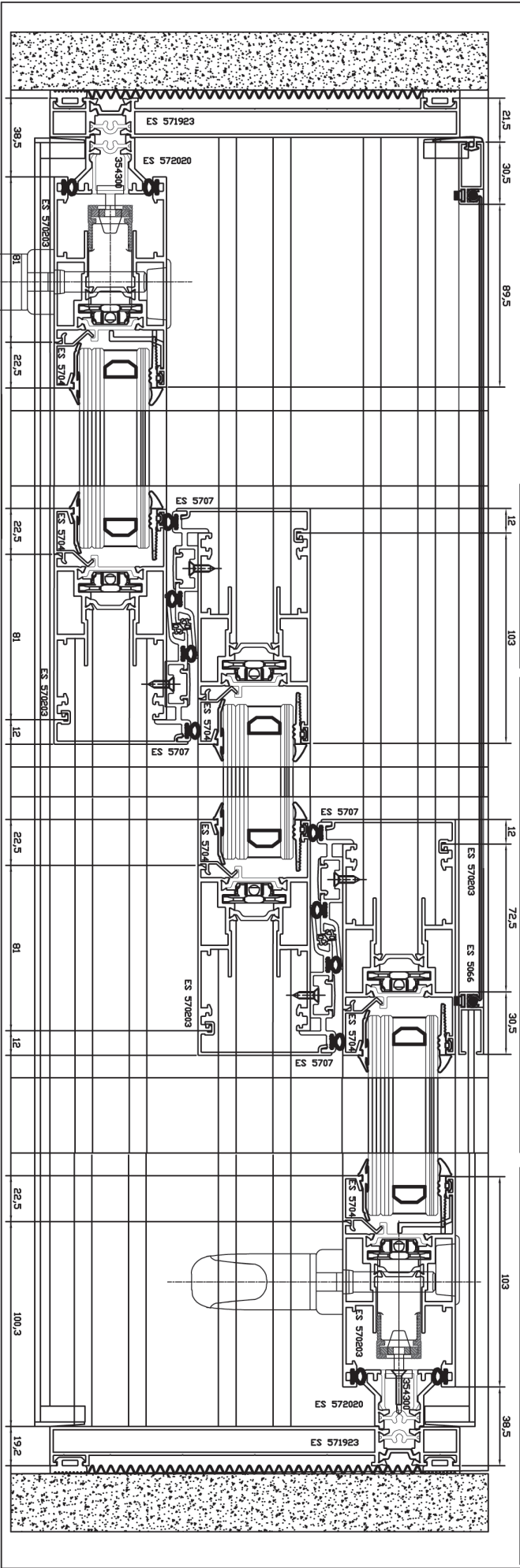
PROFILES PROFILES PROFILI	Codes Codes Codici	Pieces Pieces Pezzi	Sizes Mesures Misure	Cutting Coupe Taglio
Fix frame sill	ES 5701301	1	Lt -39	90°-90°
Fix frame top	ES 5701301	1	Lt -39	90°-90°
Fix frame mullions	ES 571923	2	Ht -0	90°-90°
Central profile	ES 5707	4	Ht -84	90°-90°
Sliding transoms	ES 570203	6	Lt /3+36	45°-45°
Sliding mullions	ES 570203	6	Ht -84	45°-45°
Hor. glass stops	ES 5704	6	Ls -207	90°-90°
Vert. glass stops	ES 5704	6	Hs -162	90°-90°

GASKETS JOINTS GUARNIZIONI	Codes Codes Codici	Quantity Quantities Quantità
Sash sealing Hor.	HT 12345	Ls x 12
Sash sealing Vert.	HT 12345	Hs x 12
Outer glazing Hor.	HT 12345	Ls-168x6
Outer glazing Vert.	HT 12345	Hs-168x6
Inner glazing Hor.	HT 12345	Ls-168x6
Inner glazing Vert.	HT 12345	Hs-168x6

Notes:
Notes:
Note:

GLAZING VITRATION VETRATURA	Pieces Pieces Pezzi	Sizes Mesures Misure	Cutting Coupe Taglio	
Latching profile	ES 572020	2	Ht -101	90°-90°
Central polyamide	TF399900	4	Ht -84	90°-90°
Rail profile	TF306300	3	Lt -66	90°-90°
Vertical finishing	TF354300	2	Ht -101	90°-90°
Upper finishing	TF354300	3	Lt -66	90°-90°
Rods PA 6,6*				

STANDARD HARDWARE QUQUALLERIE STANDARD ACCESSORI STANDARD	Codes Codes Codici	Quantity Quantities Quantità
Fix frame T Fastener	052010/250	8
Inner Sash corner	GS02923N	12
Sash aligning corner	MT2008	12
Sash anti burglar corner	GS 02921	24
Sash secondary corner	AKSQ 001	24
Glass thickness	3 mm	12
Installation fasteners	VARIOUS	(*)
Installation screws	VARIOUS	(*)



LAVORAZIONE E TRASFORMAZIONE PROFILI

LAVORAZIONI E TRASFORMAZIONI DEI PROFILI

SCHEDE LAVORAZIONI (SCHEDE SL)

Lavorazioni principali da eseguire sui profili.

SCHEDE TAGLIO e FRESATURE (SCHEDE MT)

Taglio e fresatura dei traversi

PROFILES ASSEMBLING and MACHINING

MACHINING and TOOLING (FICHES SL)

Main machining and tooling operations.

PROFILES CUTTING and MILLING (FICHES MT)

Profiles cutting and milling details

USINAGES ET AUTRES TRANSFORMATIONS

FICHES D'USINAGES (FICHES SL)

Principales usinages et transformations des profils.

DECOUPAGES et FRAISAGES (FICHES MT)

Coupe des profils et fraisages entre profils



LAVORAZIONI PRINCIPALI

MACHINING AND TOOLING

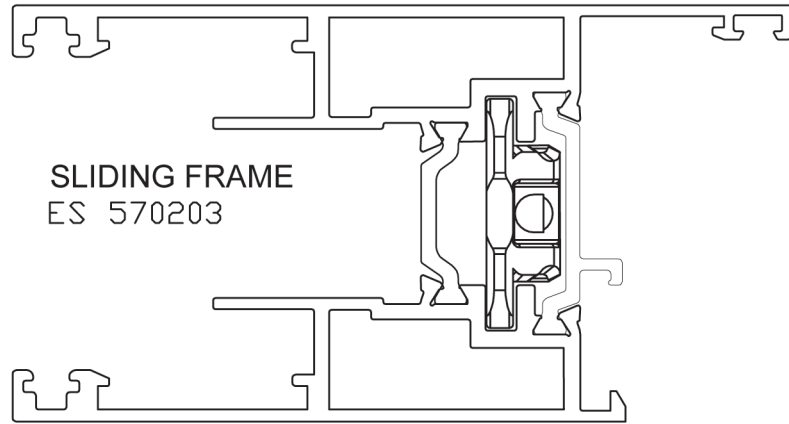
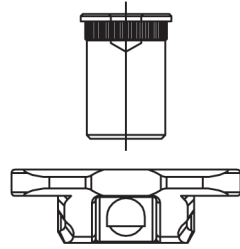
MACHINES ET USINAGES

EKOS

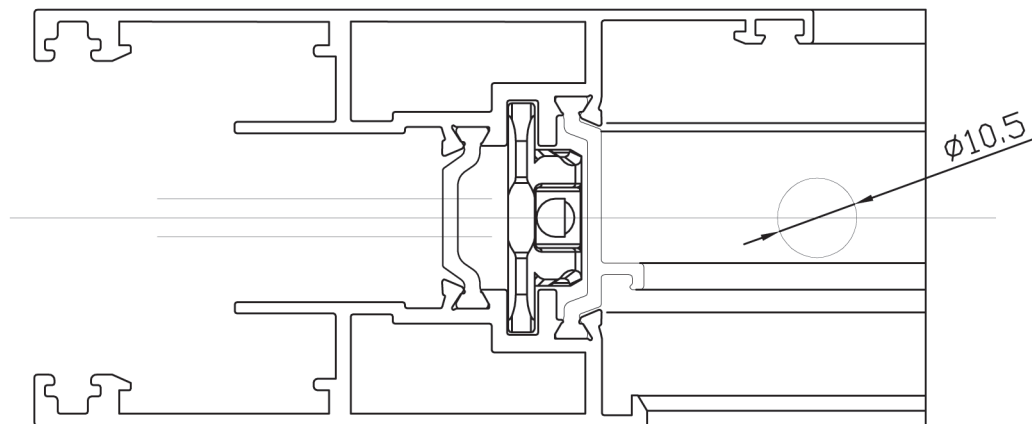
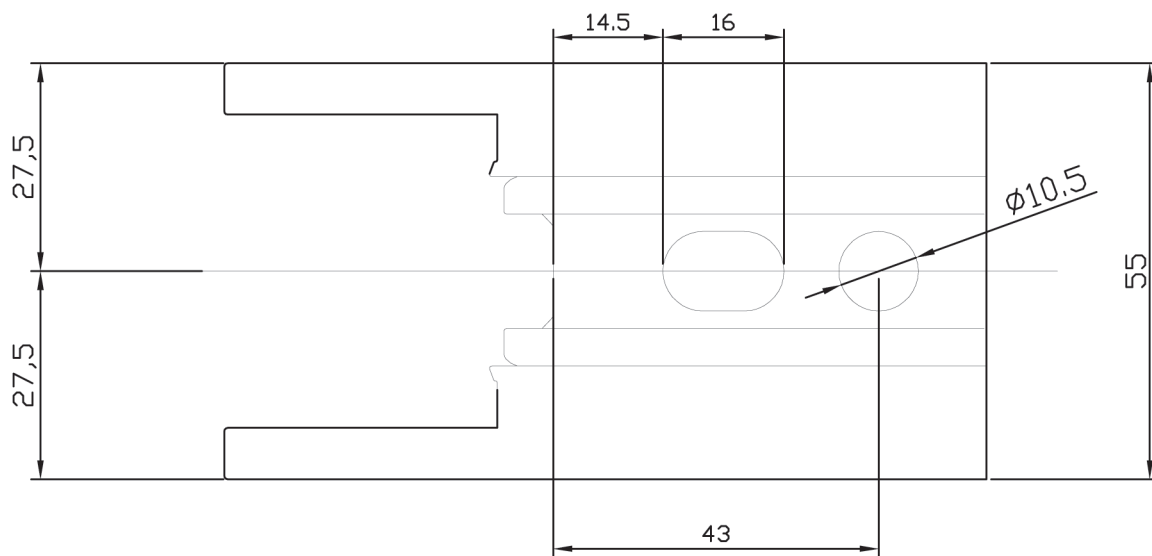
ALUMINIUM COLLECTION

SCHEDA LAVORAZIONI

GS 02923N Stainless steel corner for sashes
 GS 02923N Equèrre en acier pour vantaïls
 GS 02923N Squadretta in acciaio per ante

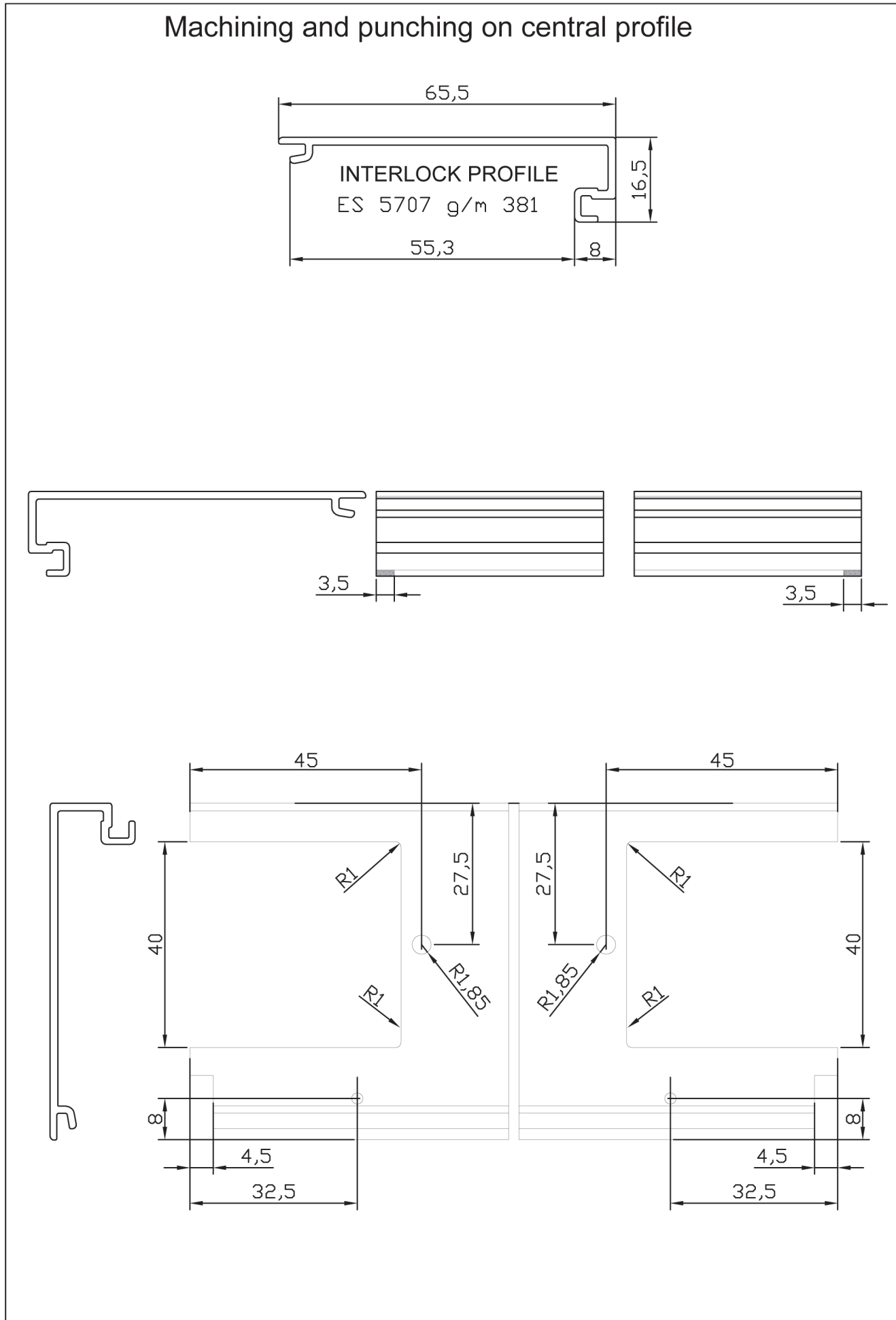


Sashes central corners tooling



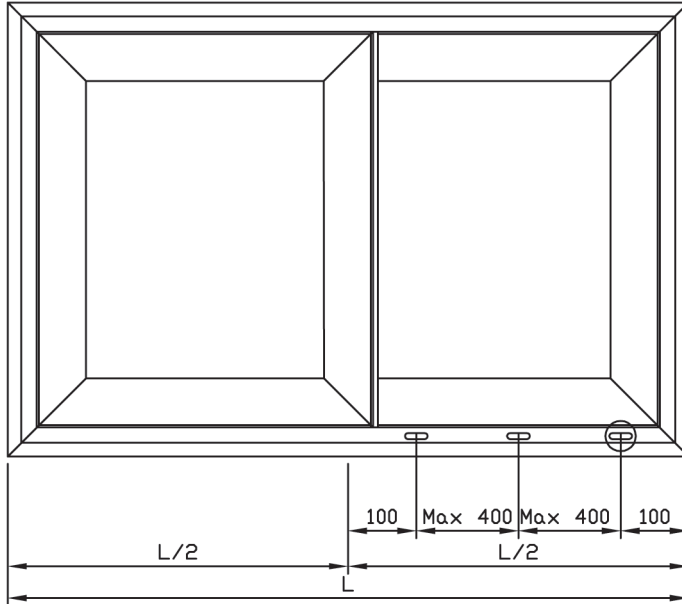
SCHEDA LAVORAZIONI

Machining and punching on central profile

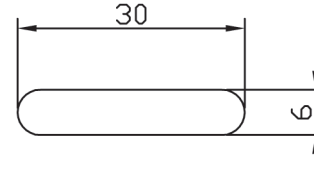


SCHEDA LAVORAZIONI

Drainages on fix frames

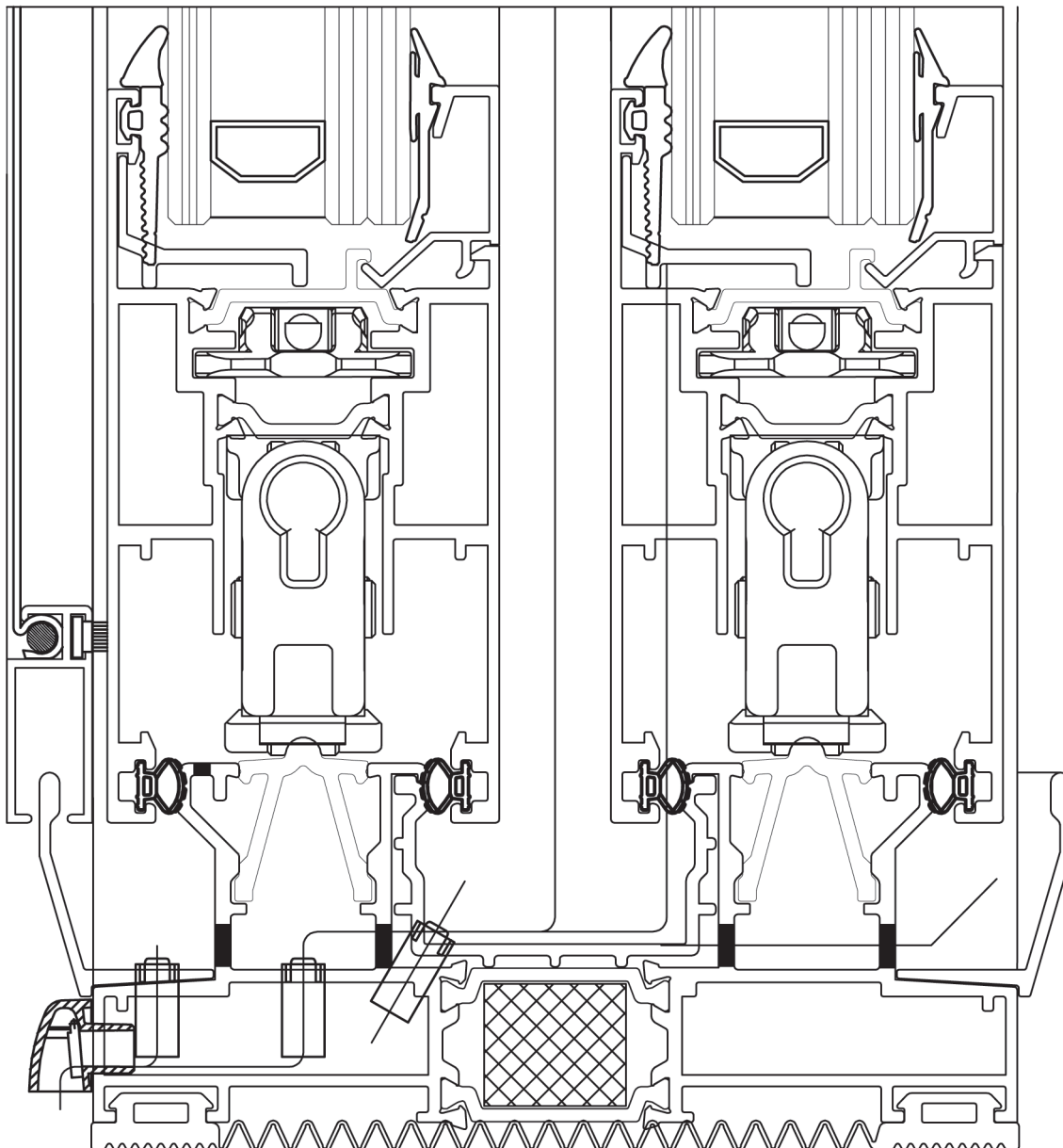


DIMENSION OF THE HOLES FOR EXTERNAL WATER DRAINAGE



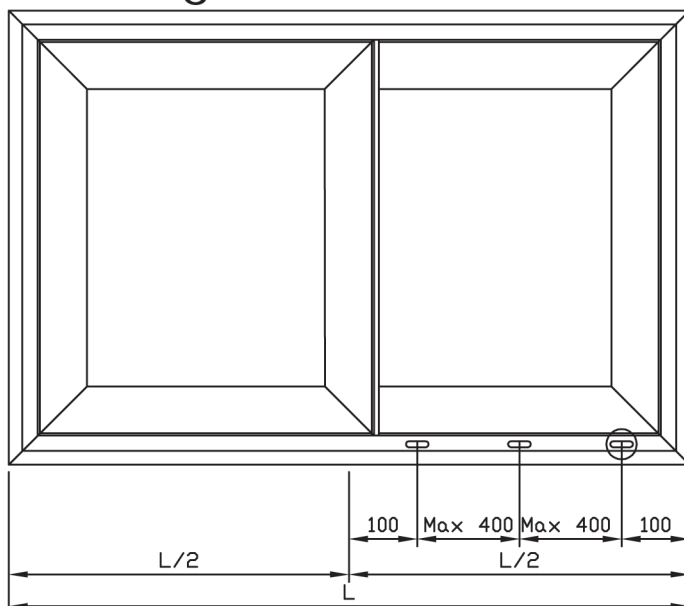
TRANSOM FRAME 2 TRACKS

ES 570101 g/m 2600

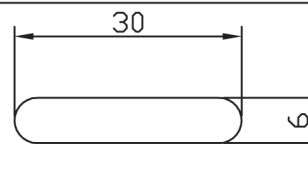


SCHEDA LAVORAZIONI

Drainages on fix frames

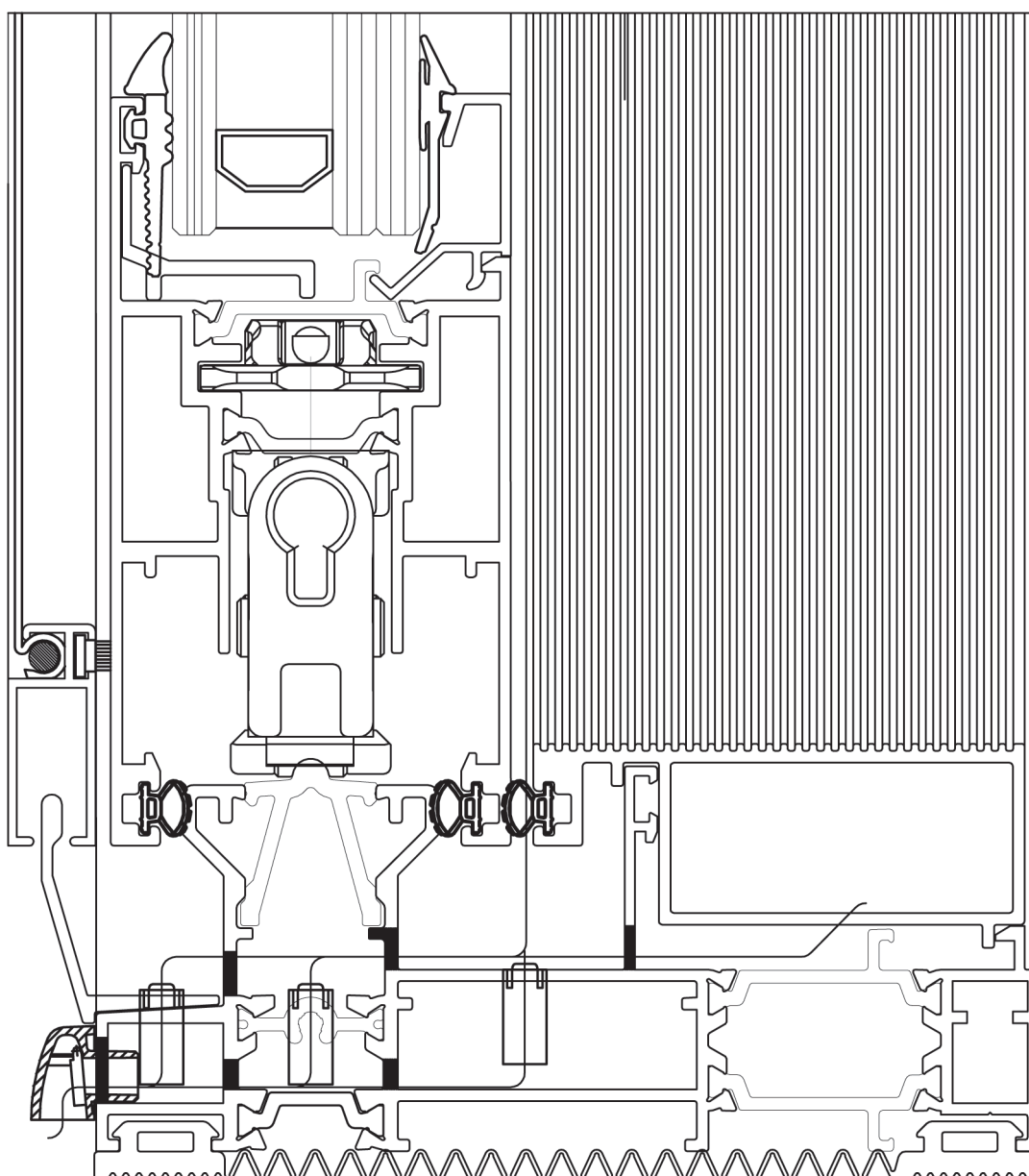


DIMENSION OF THE HOLES FOR EXTERNAL WATER DRAINAGE



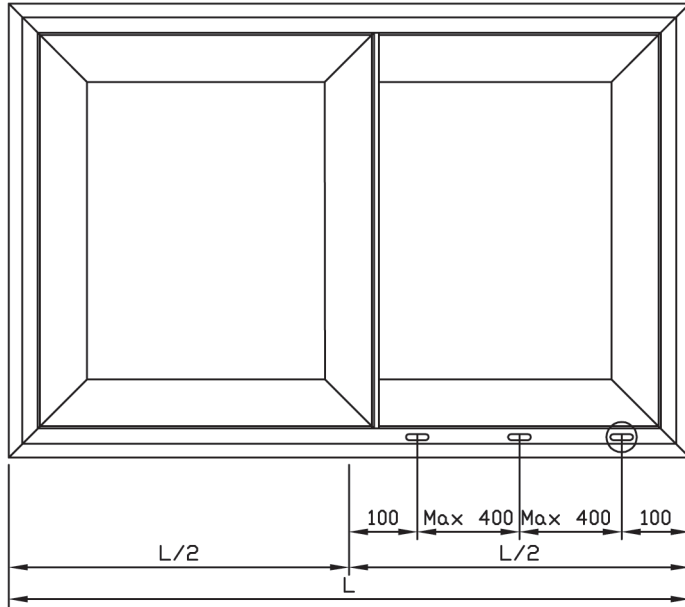
SILL FRAME
2 TRACKS XO

ES 57080910 g/m 2572

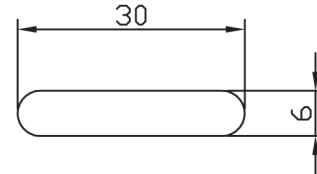


SCHEDA LAVORAZIONI

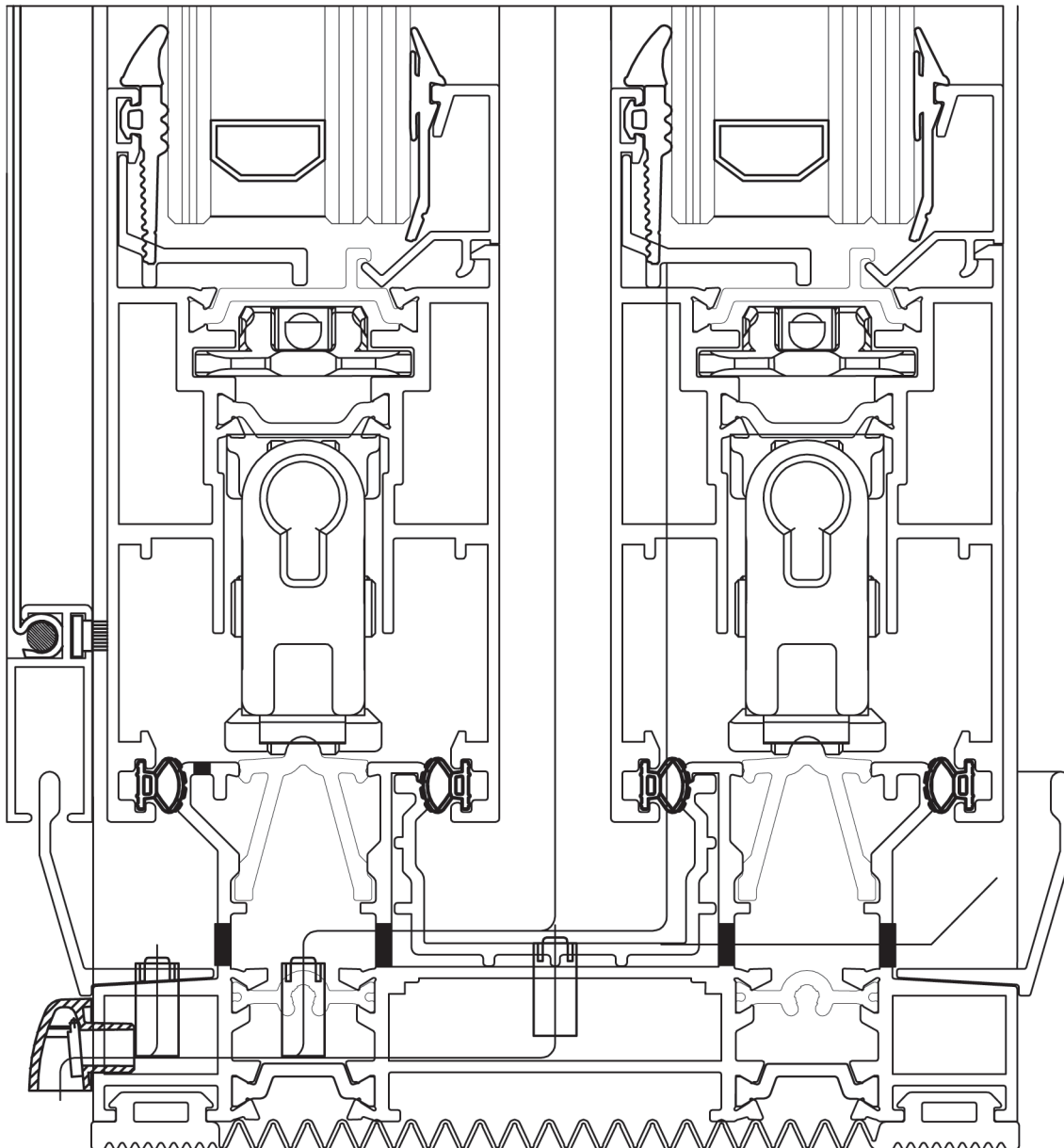
Drainages on fix frames



DIMENSION OF THE HOLES FOR EXTERNAL WATER DRAINAGE



TRANSOM FRAME 2 TRACKS
ES 57081208 g/m 2900





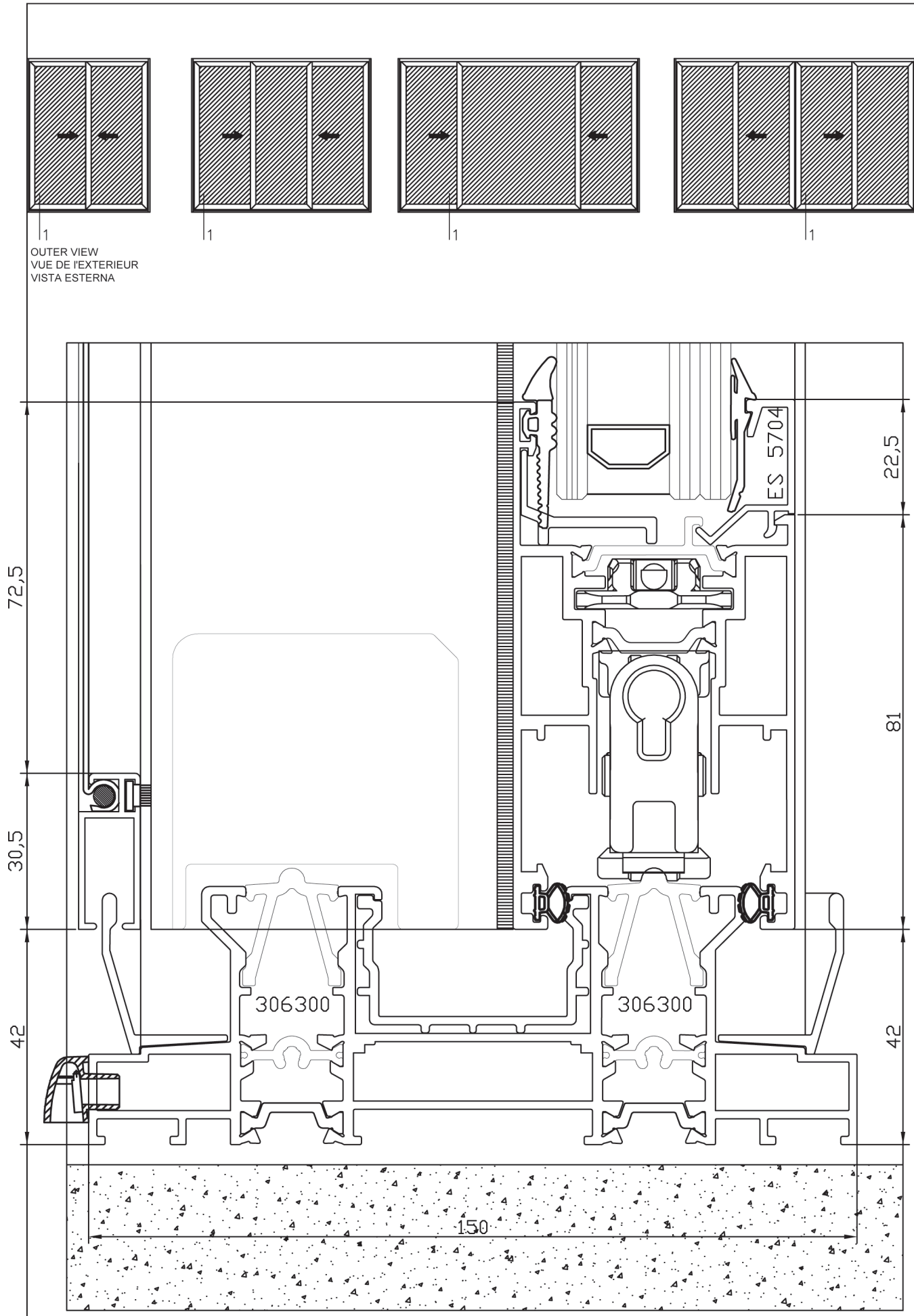
APPENDICE

ATTACHED DOCUMENTS

ATTACHEMENTS

EKOS
ALUMINIUM COLLECTION

ALLEGATI



EKOS

INFISSI

E-Mail: Info@ekosinfissi.it
Web Site: www.ekosinfissi.it



UNCSAAL

Unione Nazionale Costruttori Serramenti
Alluminio Acciaio Leghe



Officina Autorizzata Prodotti EKOS:

COLLECTIONS
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