

RCN® MINIMALIST WINDOWS

A
WINDOW
FOR
LIFE



[PT] APRESENTAÇÃO

A marca de sistemas minimalistas em alumínio EXPansion da RCN, com um conceito para a realização de grandes panos de vidro, foi introduzida em 2016, refletindo o compromisso da empresa com a inovação e a melhoria contínua. Os nossos caixilhos são projetados para maximizar a luz natural ao mesmo tempo que criam uma barreira climática entre o interior e o exterior dos edifícios, com um isolamento térmico avançado e uma transição fluida entre os elementos envidraçados. Além disso, damos prioridade ao conforto e à segurança, com características como microventilação, acessórios de alta qualidade e soluções de fecho adaptáveis a cada solução. Como parceiros de confiança de Arquitetos em todo o mundo, apoiamos e concretizamos as suas visões criativas, resultando em projetos de Arquitectura esteticamente agradáveis e inspiradores.

Os inovadores sistemas de alumínio da RCN são desenhados para se adaptarem às necessidades únicas de cada projeto de Arquitectura. As nossas soluções oferecem configurações de rails visíveis ou ocultos, com possibilidades infinitas como aberturas de canto livre e caixilhos embutidos na parede. Além disso, os nossos sistemas são adaptáveis ao clima e ao ambiente, com opções como soluções anti-insectos. Para projetos ainda mais distintos, a RCN oferece aberturas de guilhotina e caixilhos de correr com configurações curvas ou inclinadas. Nos casos em que a movimentação manual é difícil, fornecemos soluções de motorização. Os sistemas da RCN são a escolha perfeita para o seu projeto.

A Window for Life.

[EN] PRESENTATION

RCN's EXPansion brand of minimalist aluminum systems with a concept to create large glass panels was introduced in 2016, reflecting the company's commitment to innovation and continuous improvement. Our frames are designed to maximize natural light while creating a climatic barrier between the interior and exterior of buildings, with advanced thermal insulation and a seamless flow between glazed elements. Additionally, we prioritize comfort and safety with features such as micro ventilation, high-quality accessories, and adaptable closing solutions. As trusted partners to Architects worldwide, we support and bring their creative visions to life, resulting in aesthetically pleasing and inspiring building designs.

RCN's innovative aluminum systems are designed to adapt to the unique needs of each architectural project. Our solutions offer both visible and hidden rail configurations, with endless possibilities such as free-corner openings and pocket embedded frames. Additionally, our systems are adaptable to the climate and environment, with options like anti-insect solutions. For even more distinctive projects, RCN offers vertical and sliding openings with curved or sloped configurations. In cases where manual handling is difficult, we provide motorization solutions. RCN systems are the perfect choice for your project.

A Window for Life.

[FR] APRESENTATION

La marque EXPansion de systèmes minimalistes en aluminium de RCN, avec un concept visant à créer de grands panneaux vitrées, a été introduite en 2016, reflétant l'engagement de l'entreprise envers l'innovation et l'amélioration continue. Nos châssis sont conçus pour maximiser la lumière naturelle tout en créant une barrière climatique entre l'intérieur et l'extérieur des bâtiments, avec une isolation thermique avancée et une transition fluide entre les éléments vitrés. De plus, nous accordons la priorité au confort et à la sécurité, avec des caractéristiques telles que la micro ventilation, des accessoires de haute qualité et des solutions de fermeture adaptables. En tant que partenaires de confiance des Architectes du monde entier, nous soutenons et donnons vie à leurs visions créatives, ce qui se traduit par des conceptions de bâtiments esthétiquement plaisantes et inspirantes.

Les systèmes innovants en aluminium de RCN sont conçus pour s'adapter aux besoins uniques de chaque projet architectural. Nos solutions offrent des configurations de rails visibles et cachés, avec des possibilités infinies telles que des ouvertures de coin et des châssis à galandage. De plus, nos systèmes s'adaptent au climat et à l'environnement, avec des options telles que des solutions moustiquaire. Pour des projets encore plus distinctifs, RCN propose des ouvertures à guillotine et coulissantes avec des configurations courbées ou inclinées. Dans les cas où la manipulation manuelle est difficile, nous proposons des solutions de motorisation. Les systèmes RCN sont le choix parfait pour votre projet.

Une fenêtre pour la vie.

COTEC Portugal inovadora

PME excelência 21

PME líder 20 21 22

EMPRESA GAZELA 20 21 22

TÜVRheinland CERTIFIED Management System ISO 9001:2015 ID 9000021124

IMPIC Alvará nº 103367

[PT] O CONCEITO EXPANSION

VISTA MÁXIMA. Os sistemas da RCN dão prioridade à luz natural e a uma estética minimalista, com opções como soleiras ocultas e perfis verticais esbeltos. As soluções embutidas incluem caixilhos que deslizam para dentro da parede, proporcionando uma aparência completamente oculta, e configurações angulares que permitem cantos totalmente abertos com perfis verticais ocultos. Essas características enfatizam o compromisso da RCN com o minimalismo na arquitetura.

CONFORTO. Os sistemas da RCN oferecem conforto ao utilizador ao incorporar grandes vãos de vidro, que criam uma barreira contra as condições climáticas externas, garantindo ao mesmo tempo a segurança. Os caixilhos de correr são equipados com rolamentos de alta qualidade que permitem um deslizamento suave, mesmo com perfis de pequena dimensão, e suportam pesos de até 1000 kg. Além disso, os caixilhos da RCN disponibilizam também soluções de piso plano de fácil manutenção e sistemas de microventilação para a renovação do ar em espaços interiores, melhorando a qualidade de vida nos espaços.

SEGURANÇA. Os sistemas da RCN estão focados na segurança sem comprometer a facilidade de utilização. Estão disponíveis fechaduras multiponto personalizadas para cada combinação específica de soluções, assim como puxadores minimalistas para aplicações de fechaduras com cilindro. Soluções de motorização também são disponibilizadas para maior comodidade.

FLEXIBILIDADE. Os sistemas da RCN oferecem numerosas opções para personalizar os caixilhos, atendendo às necessidades individuais de cada projecto. Desde os tipos de perfil e solução até as características do vidro, uma ampla variedade de escolhas permite a criação de caixilhos únicos e individualizados que se alinham com as visões do projecto e as expectativas do utilizador. Diferentes soluções de acabamento estão disponíveis para complementar a estética do projecto.

COMPLEMENTARIDADE. Os sistemas da RCN oferecem soluções complementares, incluindo caixilhos de correr inclinados ou curvos, soluções anti-insectos, sistemas de guarda-corpos em vidro, revestimentos de portas ou paredes e fachadas de vidro minimalistas, que acrescentam valor aos edifícios e aprimoram a visão do projecto.

SUPERFÍCIES VIVAS. Os sistemas da RCN oferecem uma variedade de tratamentos de superfície, incluindo anodizados ou termolacados, brilhantes, mate ou texturados, numa ampla gama de cores. Os acessórios visíveis RCN recebem o mesmo tratamento dos perfis de alumínio, contribuindo para uma estética refinada do conjunto. Todos os acabamentos têm as certificações internacionais apropriadas Qualicoat e Qualanod.

[EN] THE EXPANSION CONCEPT

MAXIMUM VIEW. RCN's systems prioritize natural light and a minimalist aesthetic, with options such as hidden thresholds and thin vertical profiles. Pocket solutions include frames that slide into the wall for a completely hidden appearance and corner configurations that allow for fully opened corners with hidden vertical profiles. These features emphasize RCN's commitment to minimalism in architecture.

COMFORT. RCN systems gives user comfort by incorporating large glazed openings that provide a barrier against external weather conditions while ensuring safety. The sliding frames are equipped with high-quality bearings that allow smooth sliding, even with small profiles and support weights of up to 1000Kg. In addition, RCN frames come with easy-to-maintain, concealed flooring solutions and micro-ventilation systems for air renewal in interior spaces, enhancing the quality of life in spaces.

SAFETY. RCN systems prioritize safety without compromising ease of operation. Multi-point closures customized to the specific combination of solutions and minimalist handles for lock applications with cylinders are available. Motorization solutions are also offered for added convenience.

FLEXIBILITY. RCN systems offer numerous options for customizing frames to meet individual project needs. With a broad profile range and diverse glass options, RCN provides unique and customized frame solutions that align seamlessly with your project's vision and user expectations. Different finishing solutions are available to complement the project.

COMPLEMENTARITY. RCN systems offer complementary solutions, including sloped or curved sliding frames, anti-insect solutions, glass balustrade systems, door and wall cladding, and minimalist glass facades, that add value to buildings and enhance project visions.

LIVING SURFACES. RCN systems offer a variety of surface treatments, including anodized or thermo-lacquered, glossy, matt, or textured, in a wide range of colors. The visible RCN accessories come with the same treatment as the aluminum profiles, contributing to the refined aesthetics of the set. All finishes have appropriate international certifications such as Qualicoat and Qualanod.

[FR] LE CONCEPT EXPANSION

VUE MAXIMALE. Les systèmes de RCN privilégient la lumière naturelle et une esthétique minimaliste, avec des options telles que des seuils cachés et des fins profils verticaux. Les solutions à galandage comprennent des cadres qui glissent dans le mur pour une apparence complètement dissimulée et des configurations d'angle qui permettent des coins entièrement ouverts avec des profils verticaux cachés. Ces caractéristiques mettent en avant l'engagement de RCN envers le minimalisme en architecture.

CONFORT. Les systèmes de RCN offrent confort à l'utilisateur en intégrant de grandes ouvertures vitrées qui protègent contre les conditions météorologiques extérieures tout en garantissant la sécurité. Les châssis coulissants sont équipés de roulements de haute qualité qui permettent un glissement en douceur, même avec de petits profils, et ils supportent des charges allant jusqu'à 1000 kg. De plus, les cadres RCN sont dotés de solutions de plancher sans barrières faciles à entretenir et de systèmes de micro-ventilation pour le renouvellement de l'air dans les espaces intérieurs, améliorant ainsi la qualité de vie dans ces espaces.

SÉCURITÉ. Les systèmes de RCN accordent la priorité à la sécurité sans compromettre la facilité d'utilisation. Des fermetures multipoints personnalisées pour la combinaison spécifique de solutions et des poignées minimalistes pour les applications de verrouillage avec des cylindres sont disponibles. Des solutions de motorisation sont également proposées pour plus de commodité.

FLEXIBILITÉ. Les systèmes de RCN offrent de nombreuses options pour personnaliser les châssis afin de répondre aux besoins spécifiques de chaque projet. Avec une large gamme de profils et des options de verre variées, RCN offre des solutions de cadre uniques et personnalisées qui s'alignent parfaitement avec la vision de votre projet et les attentes de l'utilisateur. Différentes solutions de finition sont disponibles pour compléter le projet.

COMPLÉMENTARITÉ. Les systèmes de RCN proposent des solutions complémentaires, notamment des cadres coulissants inclinés ou courbés, des solutions anti-insectes, des systèmes de garde-corps en verre, des revêtements de portes et de murs, ainsi que des façades en verre minimalistes, qui ajoutent de la valeur aux bâtiments et améliorent la vision du projet.

SURFACES VIVANTES. Les systèmes de RCN offrent une variété de traitements de surface, notamment anodisés ou thermolaqués, brillants, mats ou texturés, dans un large éventail de couleurs. Les accessoires RCN visibles sont traités de la même manière que les profils en aluminium, contribuant à l'esthétique raffinée de l'ensemble. Toutes les finitions sont dotées de certifications internationales appropriées telles que Qualicoat et Qualanod.



Project | Groupe Ceyssens
Architect | Moyson Derveaux
Photographie | The Art of Living Magazine, YANNICK MILPAS





[PT] SEGURANÇA

Os sistemas da RCN oferecem soluções exclusivas de fecho multiponto que garantem a segurança de cada elemento envidraçado. Esses sistemas de fecho, exclusivamente projectados para cada sistema, proporcionam uma proteção adequada. Soluções específicas estão disponíveis para aberturas adjacentes ou alternadas, e a ativação por gravidade ou de forma magnética garante facilidade de operação e estética minimalista. As opções de personalização são discretas, e as escolhas de perfil incluem a possibilidade de aplicação de fechaduras com cilindro para caixilhos de correr. Opções de motorização estão também disponíveis para vãos de grande dimensão ou de grande peso. Essas soluções oferecem aos utilizadores o conforto e a segurança que desejam nos seus espaços.

[EN] SECURITY

RCN systems offer exclusive multi-point locking solutions that ensure the safety of each glazed element. These locks, uniquely designed for each system, provide adequate protection. Specific solutions are available for adjacent or alternating vents, and gravity or magnetic activation ensures ease of operation and minimalist aesthetics. Customization options are discreet and profile choices include cylinder locks for sliding openings. Motorized options are also available for large or heavy loads. These solutions provide users with the comfort and safety they desire in their spaces.

[FR] SECURITÉ

Les systèmes RCN offrent des solutions de verrouillage multi-points exclusives qui garantissent la sécurité de chaque élément vitré. Ces serrures, spécialement conçues pour chaque système, offrent une protection adéquate. Des solutions spécifiques sont disponibles pour les ouvertures adjacentes ou alternantes, et l'activation par gravité ou magnétique assure une facilité d'utilisation et une esthétique minimaliste. Les options de personnalisation sont discrètes, et les choix de profil comprennent des serrures à cylindre pour les ouvertures coulissantes. Des options motorisées sont également disponibles pour des baies vitrées lourdes ou de grande taille. Ces solutions offrent aux utilisateurs le confort et la sécurité qu'ils souhaitent dans leurs espaces.

[PT] PRODUÇÃO & INSTALAÇÃO

Os sistemas da RCN oferecem soluções exclusivas de fecho multiponto que garantem a segurança de cada elemento envidraçado. Esses sistemas de fecho, exclusivamente projectados para cada sistema, proporcionam uma proteção adequada. Soluções específicas estão disponíveis para aberturas adjacentes ou alternadas, e a ativação por gravidade ou de forma magnética garante facilidade de operação e estética minimalista. As opções de personalização são discretas, e as escolhas de perfil incluem a possibilidade de aplicação de fechaduras com cilindro para caixilhos de correr. Opções de motorização estão também disponíveis para vãos de grande dimensão ou de grande peso. Essas soluções oferecem aos utilizadores o conforto e a segurança que desejam nos seus espaços.

[EN] PRODUCTION & INSTALLATION

RCN's EXPansion concept provides a comprehensive approach to frame installation, covering everything from project support to on-site installation. The company carefully monitors and controls every step of the process to ensure the final quality of the product, manufacturing all components in-house with state-of-the-art equipment and expertise. Accessory parts are separately packed for each frame position to reduce errors and enable efficient installation on-site. This integrated approach allows for quick and efficient installations, minimizing disruptions to the building. RCN's systems are also designed for easy replacement of sliding window bearings without having to remove the moving vents from their location.

[FR] PRODUCTION & POSE

Le concept EXPansion de RCN propose une approche globale de l'installation de châssis, couvrant dés le soutien au projet à l'installation sur site. L'entreprise surveille et contrôle attentivement chaque étape du processus pour garantir la qualité finale du produit, en fabriquant tous les composants en interne avec des équipements de pointe et notre expertise. Les pièces d'accessoires sont emballées séparément pour chaque position de cadre afin de réduire les erreurs et de permettre une installation efficace sur site. Cette approche intégrée permet des installations rapides et efficaces, minimisant les perturbations dans le bâtiment. Les systèmes de RCN sont également conçus pour faciliter le remplacement des roulletes des châssis coulissantes sans avoir à retirer les vantaux de leur emplacement.

[PT] APOIO A PROJETOS DE ARQUITETURA

[EN] SUPPORT TO ARCHITECTURAL PROJECTS

[FR] SOUTIEN AUX PROJETS ARCHITECTURAUX

Fornecemos um apoio abrangente a projetos de arquitetura desde as fases iniciais de desenvolvimento. Com os nossos amplos conhecimentos e experiência, oferecemos soluções e alternativas para concretizar a visão do designer. A nossa documentação técnica, secções construtivas e descrições de soluções facilitam o desenvolvimento do projeto. O nosso website apresenta a nossa gama de soluções minimalistas e inovações e partilhamos também as nossas ideias e soluções implementadas através das redes sociais. Se precisar do nosso apoio ou conselho, podemos marcar uma reunião presencial ou online através de várias plataformas, incluindo Zoom, Meet, Skype ou outras.

We provide comprehensive support to architectural projects from the early stages of development. With our extensive knowledge and experience, we offer solutions and alternatives to achieve the designer's vision. Our technical documentation, constructive sections, and descriptions of solutions facilitate the project's development. Our website showcases our range of minimalist solutions and innovations. We also share our ideas and implemented solutions through social media. If you need our support or advice, we can schedule a meeting through various platforms, including Zoom, Meet, Skype, or others.

Nous offrons un soutien complet aux projets architecturaux dès les premières étapes de développement. Forts de nos connaissances et de notre expérience étendue, nous proposons des solutions et des alternatives pour concrétiser la vision du concepteur. Notre documentation technique, nos sections constructives et nos descriptions de solutions facilitent le développement du projet. Notre site web présente notre gamme de solutions minimalistes et d'innovations. Nous partageons également nos idées et nos solutions mises en œuvre via les réseaux sociaux. Si vous avez besoin de notre soutien ou de conseils, nous pouvons planifier une réunion via différentes plateformes, notamment Zoom, Meet, Skype ou d'autres.



Project | Group Ceyssens
Architect | Jurgen Baetens
Photographie | The Art of Living Magazine, Patrick Meis

ÍNDICE
INDEX

EXP36

C - CORRER
Sliding
Coulissant

HR - SOLEIRA OCULTA
Hidden Rail
Rail Caché

EXP54

C - CORRER
Sliding
Coulissant

HR - SOLEIRA OCULTA
Hidden Rail
Rail Caché

EXP24

C - CORRER
Sliding
Coulissant

RPT - RUTURA TÉRMICA
Thermal Break
Rupture thermique

EXP PIV - PIVOTANTE
Pivot
Pivotant

EXP G - GUILHOTINA
Vertical Slider
Guillotine

EXP X - ABRIR
Hinged
Battante

EXP R - GUARDA CORPOS
Railing
Garde - Corps

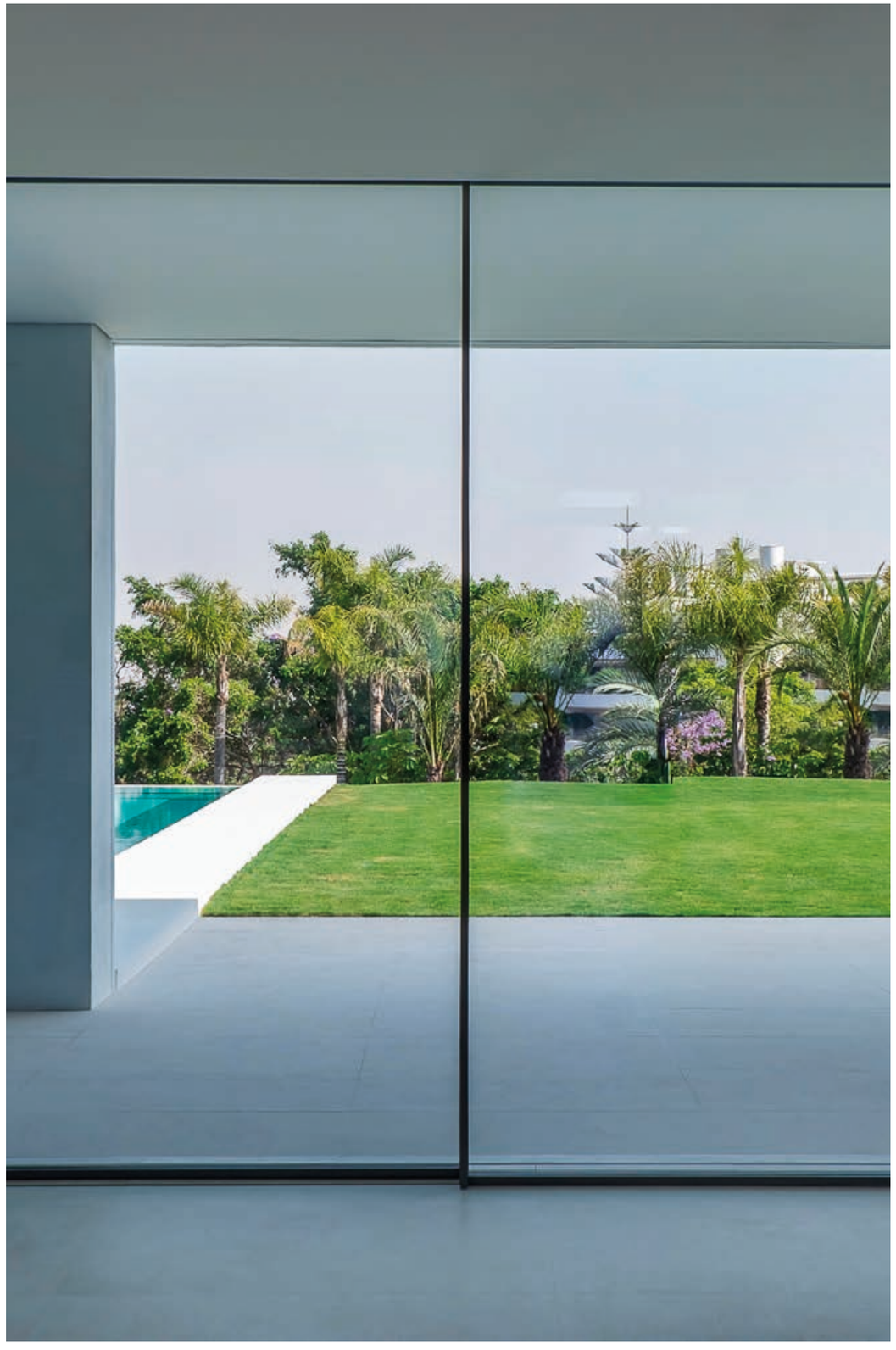
EXP F - FACHADAS
Minimalist Curtain Wall
Mur Rideau Minimaliste

EXP REV - REVESTIMENTO
Cladding
Revêtement



Project I Groupe Ceyssens
Architect I Moyson Derveaux
Photographie I The Art of Living Magazine, YANNICK MILPAS

ESPECIFICAÇÕES SPECIFICATIONS SPÉCIFICATIONS	EXP **36** C / HR	EXP **54** C / HR	EXP **24** C / RPT	EXP **G**	EXP **X**	EXP **F**
Peso Máximo / Folha Maximum Weight / Leaf Poids Maximum / Vantail	500 Kg / 600 Kg	1000 Kg	250 Kg	600 Kg	150 Kg	250 Kg
Altura Máxima / Folha Maximum Height / Leaf Hauteur Maximale / Vantail	5 m	6 m	3 m	5 m	3,5 m	5 m
Área Máxima / Folha Maximum Area / Leaf Surface Maximale / Vantail	12 m²	18 m²	8 m²	12 m²	3,5 m²	6 m²
Espessura Máxima de Vidro Maximum Glass Thickness Épaisseur Maximale du Vitrage	Até 36 mm Up to 36 mm Jusqu'à 36 mm	Até 54 mm Up to 54 mm Jusqu'à 54 mm	Até 24 mm Up to 24 mm Jusqu'à 24 mm	Até 36 mm Up to 36 mm Jusqu'à 36 mm	Até 42 mm Up to 42 mm Jusqu'à 42 mm	Até 48 mm Up to 48 mm Jusqu'à 48 mm
Motorização Motorization Motorisation	✓	✓	✓	✓		
Coeficiente Térmico Uw Thermal Coefficient Uw Coefficient Thermique Uw	1,1 W/m² K (UG = 0,7 W/m² K)	0,8 W/m² K (UG = 0,6 W/m² K)	1,8 W/m² K (UG = 1,4 W/m² K)	1,2 W/m² K (UG = 1,0 W/m² K)	0,7 W/m² K (UG = 0,5 W/m² K)	1,0 W/m² K (UG = 0,7 W/m² K)
Isolamento Acústico Sound Insulation Isolation Acoustique	Até 41 dB Up to 41 dB Jusqu'à 41 dB	Até 44 dB Up to 44 dB Jusqu'à 44 dB	Até 34 dB Up to 34 dB Jusqu'à 34 dB	Até 41 dB Up to 41 dB Jusqu'à 41 dB	Até 44 dB Up to 44 dB Jusqu'à 44 dB	Até 41 dB Up to 41 dB Jusqu'à 41 dB
Permeabilidade ao Ar Air Tightness Résistance à l'air	Classe 4 Class 4	Classe 4 Class 4	Classe 4 Class 4	Classe 4 Class 4	Classe 4 Class 4	Classe 4 Class 4
Estanquidade à Água Water Tightness Résistance à l'eau	Classe 9A / 6A Class 9A / 6A	Classe 7A / 6A Class 7A / 6A	Classe 7A Class 7A	Classe 7A Class 7A	Classe E1200 Class E1200	Classe E1500 Class E1500
Resistência ao Vento Wind Tightness Résistance au Vent	Classe C5 Class C5	Classe B4 Class B4	Classe B4 Class B4	Classe C5 Class C5	Classe C5 Class C5	Classe C5 Class C5
Profundidade Aro Fixo Depth Fixed Frame Profondeur Dormant	54.4 mm	72.4 mm	41.4 mm	54.4 mm	76 mm	
Profundidade Aro Fixo Bi-Rail Depth Fixed Frame 2 Rails Profondeur Dormant 2 Rails	125.4 mm	161.4 mm	99.4 mm	125.4 mm		
Profundidade Aro Fixo Tri-Rail Depth Fixed Frame 3 Rails Profondeur Dormant 3 Rails	196.4 mm	250.4 mm	157.4 mm	196.4 mm		
Profundidade Aro Fixo Quad-Rail Depth Fixed Frame 4 Rails Profondeur Dormant 4 Rails	267.4 mm	339.4 mm	215.4 mm com RPT	267.4 mm		
Vista Perfil Central Central Profile View Vue Centrale de Profil	21 mm 6.3 mm (I-VIEW)	21 mm 6.3 mm (I-VIEW)	18 mm	21 mm	50 mm	34 mm
Vista Lateral Side View Vue Latérale	25.9 mm	25.9 mm	22.8 mm			
Soleira Oculta Hidden Rail Seuil Caché	- / ✓	- / ✓				
Vão de Embutir Pocket Galandage	✓	✓	✓	✓		
Canto Corner Coin	✓	✓	✓			✓
Vão Inclinado Sloped Window Châssis Inclinée		✓				✓
Vãos de Correr Curvos Curved Sliding Elements Éléments Coulissants Courbes	✓	✓	✓			
Guilhotina Vertical Slider Guilhotine				✓		
Rede Mosquiteira Fly Screen Moustiquaire	✓	✓	✓			
Portadas de Correr Sliding Shutters Volets Coulissants			✓			
Fecho Multiponto Multi-Point Lock Fermeture Multi-Point	✓	✓	✓			
Microventilação Micro-ventilation Micro-ventilation	✓	✓	✓			



EXP 36 C



O sistema EXP 36 C disponibiliza uma gama versátil de soluções de correr minimalistas que pretendem combinar grandes áreas envidraçadas para vãos exteriores com elevadas performances e conforto de utilização.

A reduzida vista do perfil central de 21mm contribui para uma estética harmoniosa do vão. A escolha permite usar de um a quatro rails ou multi-rails por combinação de diversos perfis.

Para aplicação de vidros de 32 ou 36mm e pesos até 500Kg de deslizamento suave, o sistema permite a execução de vãos até 12m^2.

Dentro do sistema estão disponíveis soluções que flexibilizam a utilização, como a realização de cantos livres, vãos de embutir na parede (pocket) ou aberturas motorizadas.

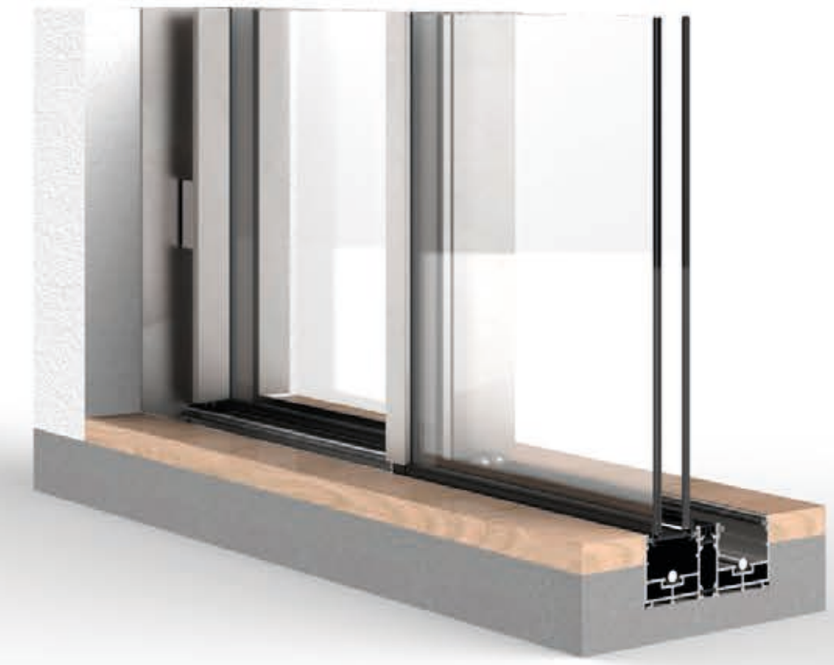
DETALHES TÉCNICOS
TECHNICAL DETAILS
DÉTAILS TECHNIQUES

CARACTERÍSTICAS PRINCIPAIS MAIN CHARACTERISTICS CARACTÉRISTIQUES PRINCIPALES	**VALORES** VALUES VALEURS
Peso Máximo / Folha Maximum Weight / Leaf Poids Maximum / Vantail	C I 500 Kg HR I 600 Kg
Altura Máxima / Folha Maximum Height / Leaf Hauteur Maximale / Vantail	5000 mm
Área Máxima / Folha Maximum Area / Leaf Surface Maximale / Vantail	12 m²
Enchimento Filling Remplissage	Até 36 mm Up to 36 mm Jusqu'à 36 mm
Motorização Motorization Motorisation	1-4 / Folhas (Opção: Sincronizada) 1-4 / Leaves (Option: Synchronized) 1-4 / Vantaux (Option: Synchronisé)

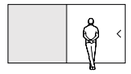
MARCAÇÃO CE (EN 14351-1) CE MARKING MARQUAGE CE	**RESULTADOS** RESULTS RÉSULTATS
Transmissão Térmica Thermal Transmitance Transmission Thermique	1,1 W/m² K (UG = 0,7 W/m² K)
Isolamento Acústico Acoustic Insulation Isolation Acoustique	Até 41 dB Up to 41 dB Jusqu'à 41 dB
Permeabilidade ao Ar Air Permeability Permeabilité à l'air	Classe 4 Class 4
Estanquidade à Água Water Tightness Étanchéité à l'eau	C I Classe 9A / Class 9A HR I Classe 6A / Class 6A
Resistência ao Vento Wind Resistance Résistance au Vent	Classe C5 Class C5

The EXP 36 C system offers a versatile range of minimalist sliding solutions that aim to combine large glazed areas for outdoor openings with high performance and user comfort. The reduced view of 21mm of the central vertical profile contributes to the harmonious aesthetics of the element.
The choice allows you to use one to four rails or multi-rails by combining different profiles. For the application of 32 or 36mm glass and weights of up to 500Kg with smooth sliding, the system allows the execution of spans up to 12m². Within the system, solutions are available that make use more flexible, such as creating free corners, pocket vents that hide into the wall or motorized openings.

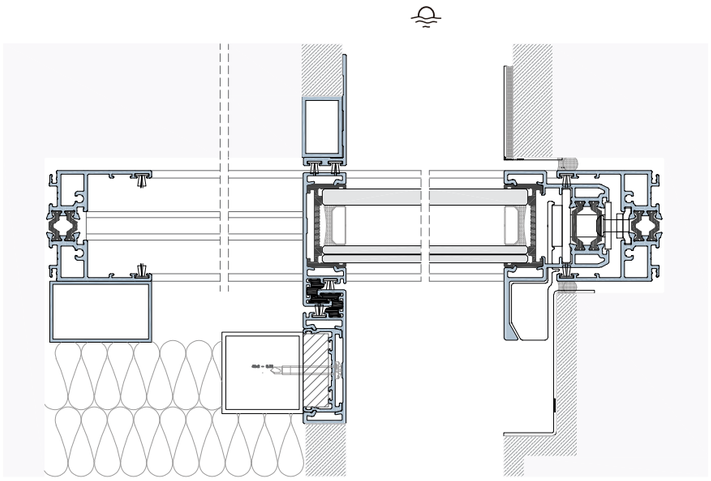
Le système EXP 36 C offre une gamme polyvalente de solutions coulissantes minimalistes qui vissent à combiner de grandes surfaces vitrées pour les ouvertures extérieures avec des performances et un confort d'utilisation élevés. La vue réduite de 21mm du profil vertical central contribue à l'esthétique harmonieuse de l'élément. Le choix permet d'utiliser un à quatre rails ou multi-rails en combinant différents profils. Pour l'application de vitrages de 32 ou 36mm et de poids allant jusqu'à 500Kg avec un glissement doux, le système permet l'exécution de châssis jusqu'à 12m². Au sein du système, des solutions sont disponibles pour rendre l'utilisation plus flexible, telles que la création d'angles libres, des châssis en galandage qui se cachent dans le mur ou des ouvertures motorisées.

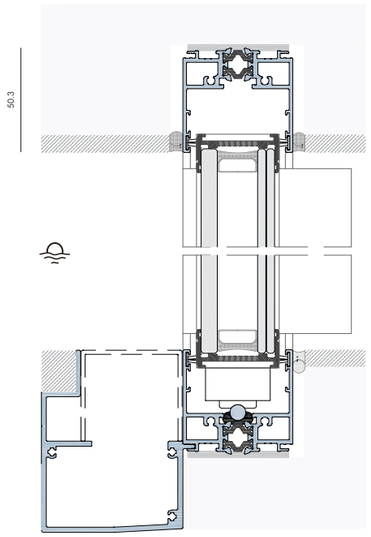


JANELA DE CORRER I 1 FOLHA MÓVEL I 1 RAIL



1 LEAF POCKET
FENÊTRE I 1 VANTAIL GALANDAGE



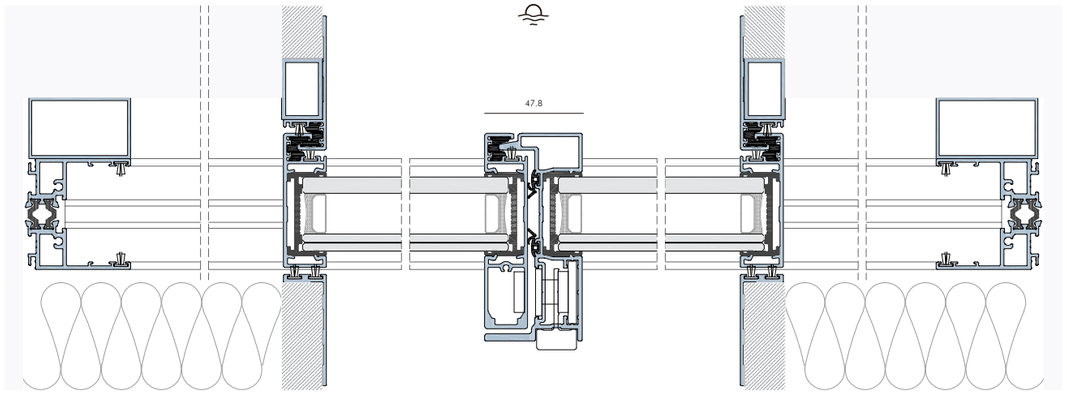


1:3

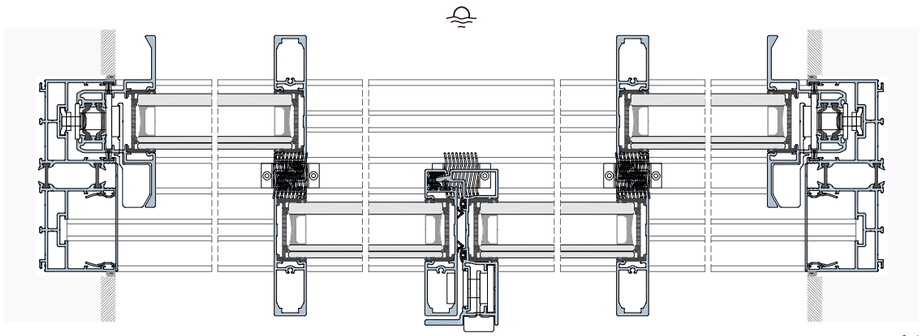
JANELA DE CORRER I 2 FOLHAS MÓVEIS I 1 RAIL

2 LEAVES POCKET I 1RAIL
FENÊTRE I 2 VANTAUX I GALANDAGE





1:3

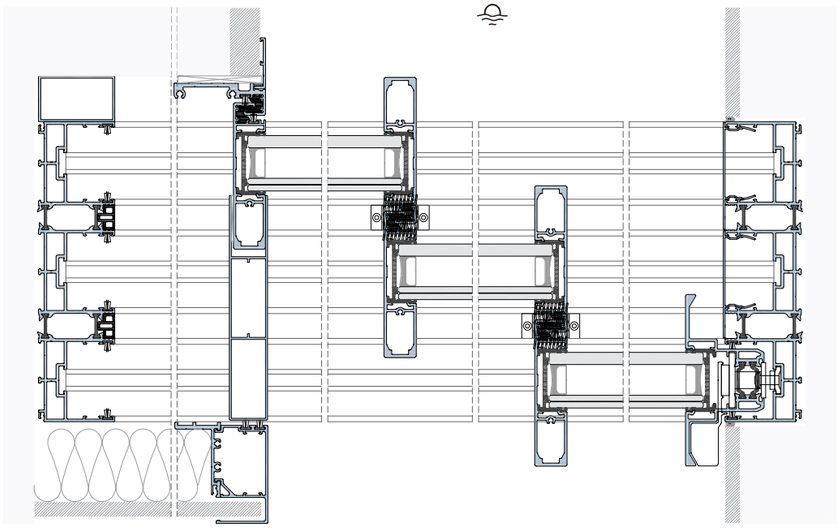


1:4

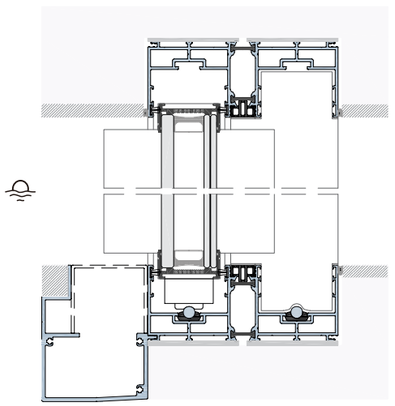
FECHO CENTRAL
Central locking
Verrouillage central

OUTRAS SOLUÇÕES DE POCKET DISPONÍVEIS

OTHER AVAILABLE POCKET SOLUTIONS
D'OUTRES SOLUTIONS À GALANDAGE DISPONIBLES

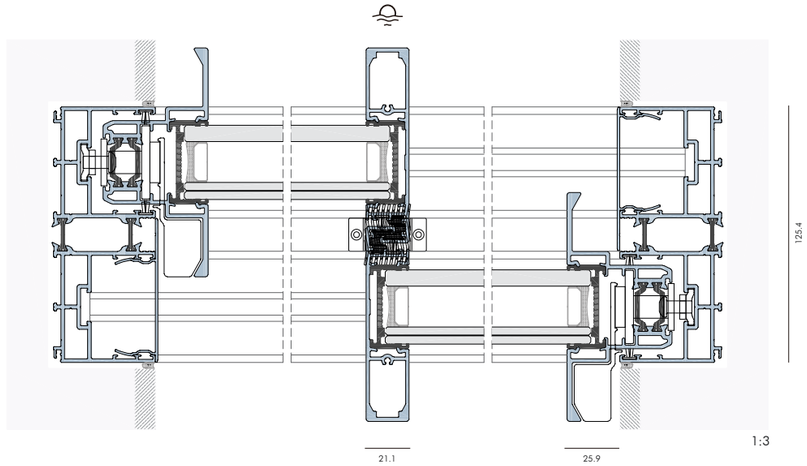


1:4



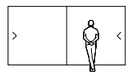
JANELA DE CORRER
4 FOLHAS MÓVEIS I 2 RAILS

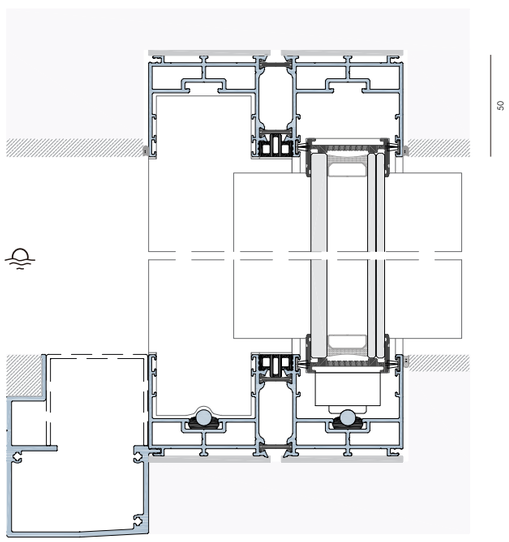
4 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS

2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



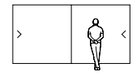




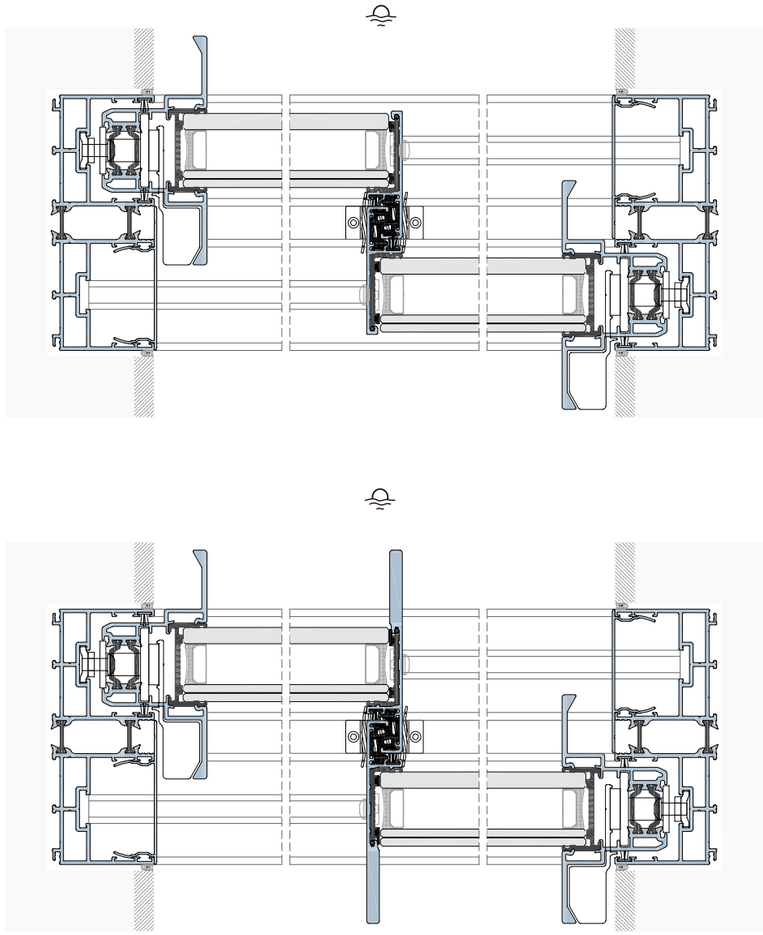


EXP 36C I-VIEW

JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS



2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS

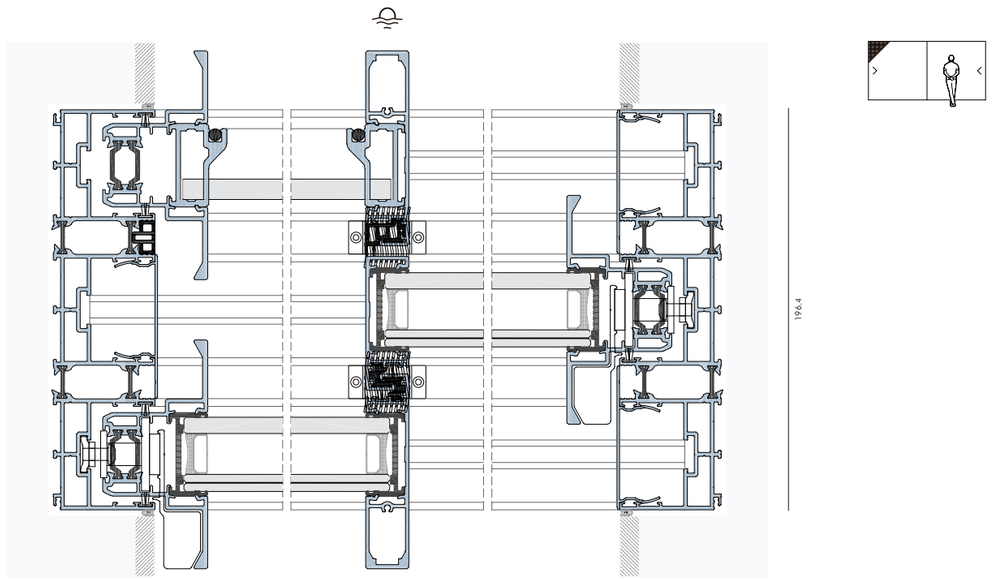


1:3

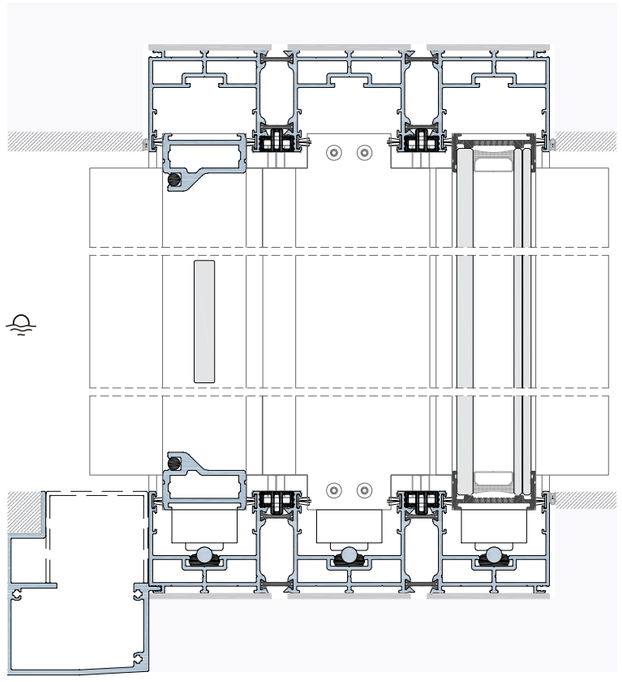
6.3

JANELA DE CORRER I 2 FOLHAS MÓVEIS + 1 REDE MOSQUITEIRA I 3 RAILS

2 LEAVES WINDOW + 1 FLYSCREEN I 3 RAILS
FENÊTRE I 2 VANTAUX + 1 VANTAIL MOUSQUITAIRE I 3 RAILS



1:3

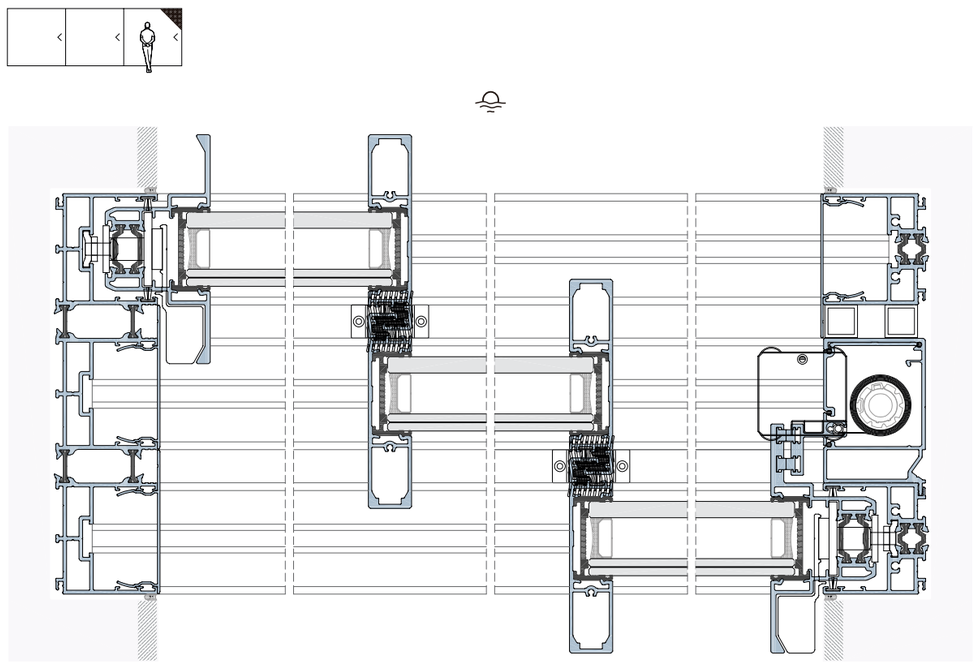


Tirar partido da interação que o sistema EXPansion permite com o envolvente do edifício sem o incómodo dos mosquitos, é a mais-valia desta modalidade, que contempla uma barreira anti-mosquito através de uma rede translúcida. A solução minimalista anti insetos está disponível em duas variantes, consoante seja necessária a abertura total da folha ou apenas parcial para ventilação. Neste caso, a rede mosquiteira fica oculta no aro fixo quando não está em uso.

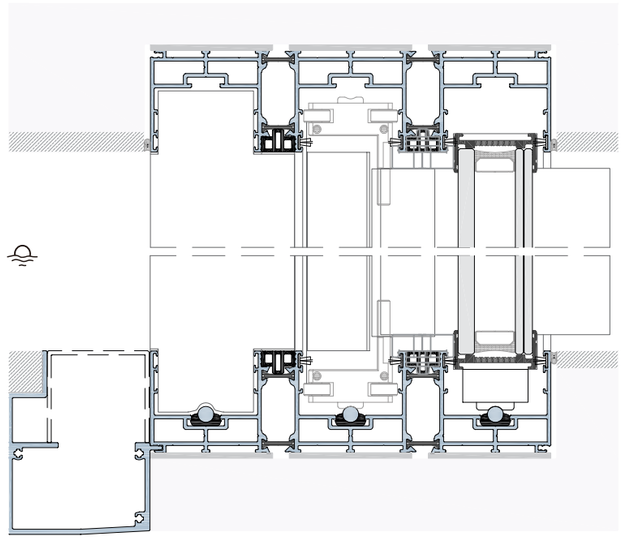
Taking advantage of the interaction that the EXPansion system allows with the building's surroundings without the discomfort of mosquitoes, is the added value of this variant, which includes an anti-mosquito barrier through a translucent net. The minimalist anti-insect solution is available in two variants, depending on whether the vent needs to be fully opened or only partially opened for ventilation. In this case, the mosquito net is hidden in the fixed frame when not in use.

JANELA DE CORRER COM MOSQUITEIRA INTEGRADA I 3 FOLHAS MÓVEIS I 3 RAILS

3 LEAVES WINDOW WITH INTEGRATED FLYSCREEN I 3 RAILS
FENÊTRE AVEC MOUSQUITAIRE INTÉGRÉE I 3 VANTAUX I 3 RAILS



1:3



Profiter de l'interaction que le système EXPansion permet avec l'environnement du bâtiment sans l'inconfort des moustiques, est la valeur ajoutée de cette variante, qui comprend une barrière anti-moustiques à travers un filet translucide. La solution anti-insectes minimaliste est disponible en deux variantes, selon que le vantail doit être entièrement ouvert ou seulement partiellement ouvert pour la ventilation. Dans ce cas, la moustiquaire est dissimulée dans le cadre fixe lorsqu'elle n'est pas utilisée.

EXP 36 HR

Com a variante EXP 36 HR, é adicionada ao sistema a possibilidade de realizar vãos envidraçados com piso plano, ficando a soleira embutida debaixo do pavimento. Neste caso, os espaços podem ser totalmente abertos ao exterior sem perfis visíveis no pavimento. Tal como no sistema EXP 36 C, é possível aplicar vidros de 32 ou 36 mm com pesos até 600Kg. O conceito minimalista vê-se também na reduzida expressão do perfil vertical central. Na solução Hidden Rail é também possível executar vãos de cantos livres, vãos de embutir na parede (pocket) ou aberturas motorizadas.



With the EXP 36 HR variant, the possibility of creating glazed openings with a flat floor is added to the system, with the threshold being recessed under the floor. In this case, the spaces can be completely open to the outside without visible profiles on the bottom. As with the EXP 36 C system, it is possible to apply 32 or 36 mm glass with weights up to 600Kg. The minimalist concept is also seen in the reduced expression of the central vertical profile. In the Hidden Rail solution, it is also possible to create openings with free corners, recessed openings in the wall (pocket) or motorized openings.

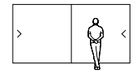
Avec la variante EXP 36 HR, la possibilité de créer des ouvertures vitrées avec un sol plat s'ajoute au système, le seuil étant encastré sous le sol. Dans ce cas, les espaces peuvent être complètement ouverts vers l'extérieur sans profils apparents sur le fond. Comme avec le système EXP 36 C, il est possible d'appliquer du verre de 32 ou 36 mm avec des poids allant jusqu'à 600 kg. Le concept minimaliste se retrouve également dans l'expression réduite du profil vertical central. Dans la solution Hidden Rail, il est également possible de créer des ouvertures avec des angles libres, des ouvertures encastrées dans le mur ou des ouvertures motorisées.



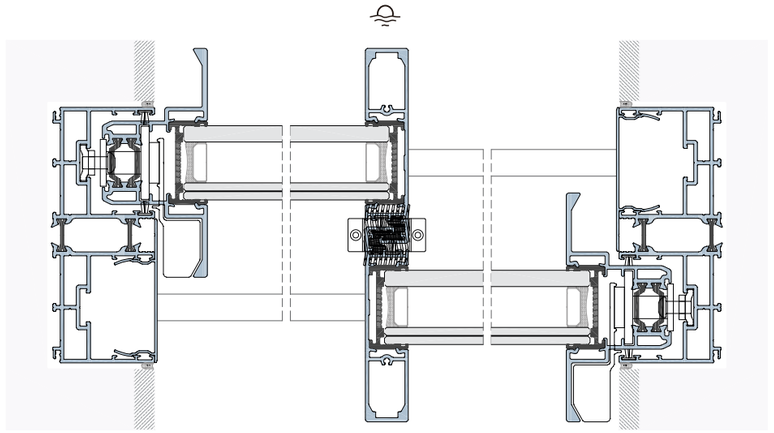




JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS

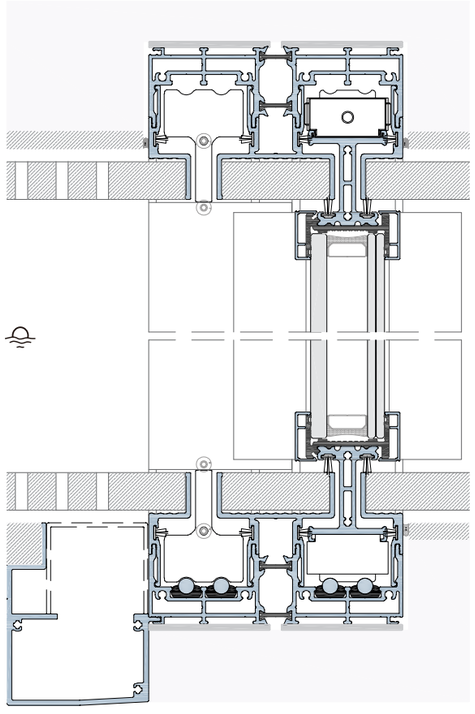


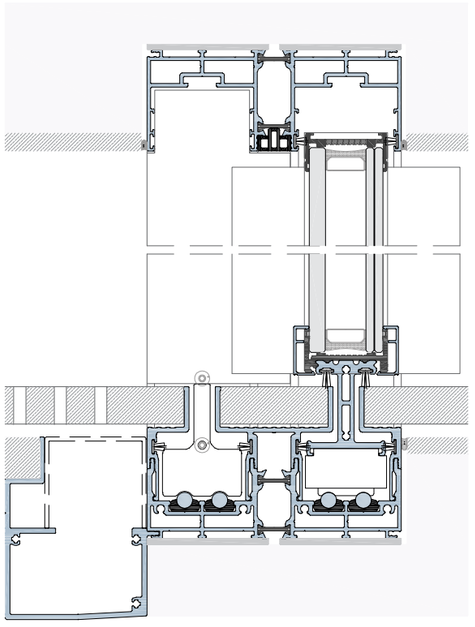
2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



1:3

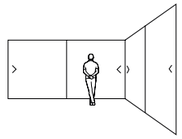
UP & DOWN

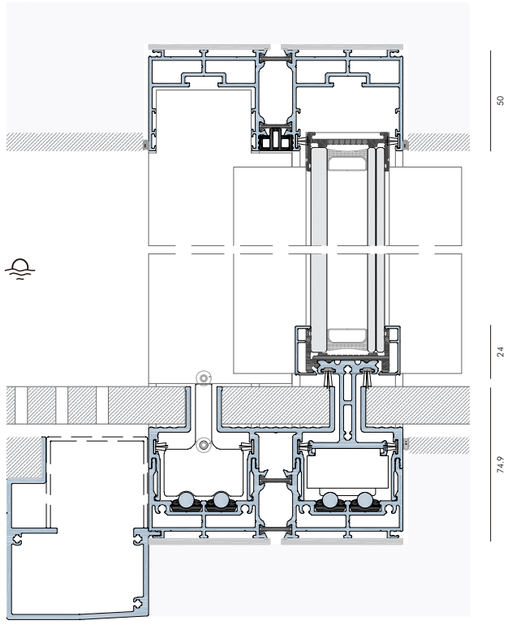




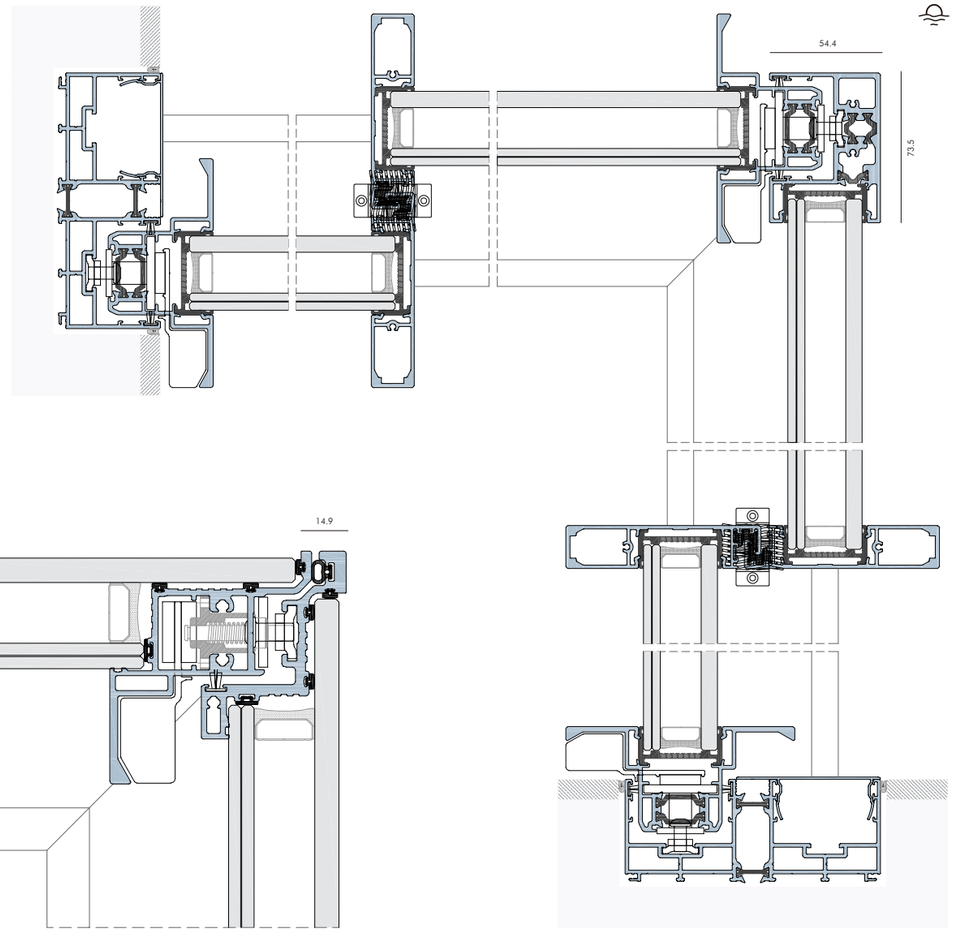
JANELA DE CORRER
2 + 2 FOLHAS MÓVEIS
2 RAILS I CANTO 90°

2 + 2 LEAVES WINDOW I 2 RAILS I CORNER 90°
FENÊTRE I 2 + 2 VANTAUX I 2 RAILS I ANGLE 90°





1:3

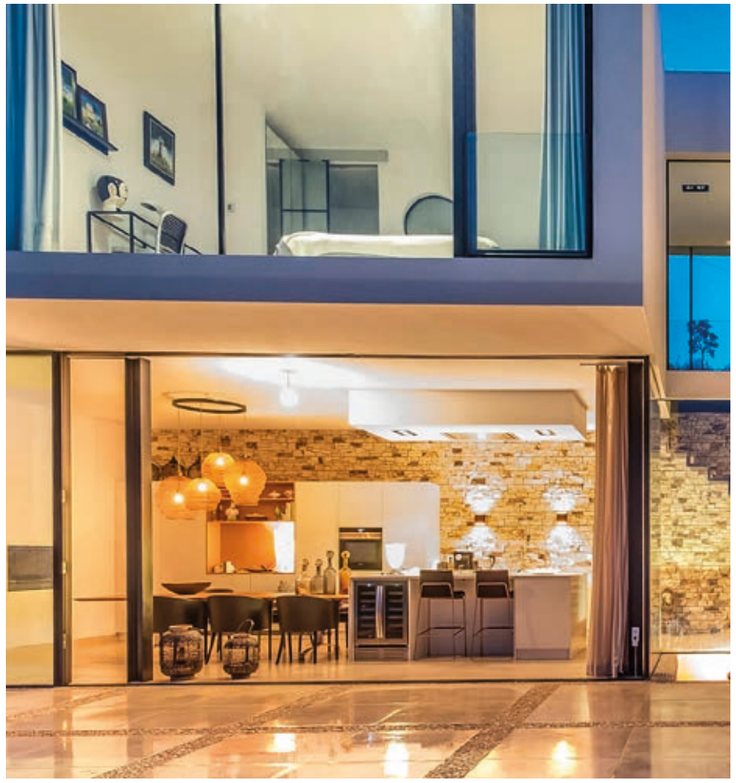


1:2

Quando se pretende um conceito de espaço que flui do interior para o exterior sem barreiras físicas ou estéticas, a solução de janela de canto liberta os cantos em vidro das peças estruturais laterais, oferencendo a visualização da paisagem envolvente sem obstáculos. A possibilidade de abertura permite uma liberdade de movimentos, não sendo esta só conceptual mas também física.

When a concept of space that flows from the inside to the outside without physical or aesthetic barriers is required, the corner window solutios frees the glass corners of the lateral structural parts, offering the view of the surrounding landscape without obstacles. The possibility of opening allows freedom of movement, which is not only conceptual but also physical.

Lorsqu'un concept d'espace qui s'écoule de l'intérieur vers l'extérieur sans barrières physiques ou aesthétiques est requis, la solution de fenêtre d'angle libère les coins vitrés des parties structurelles latérales. La possibilité d'ouverture permet une liberté de mouvement, qui n'est pas seulement conceptuelle mais aussi physique.





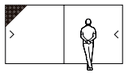


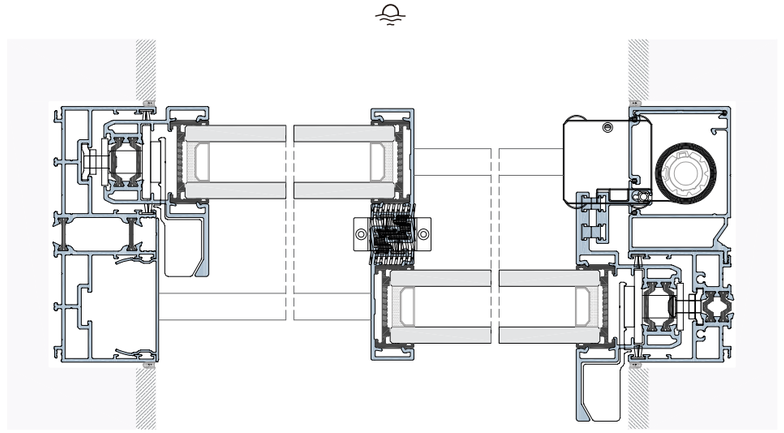




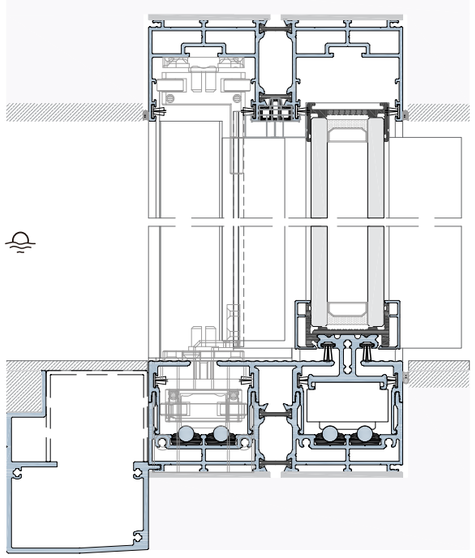
JANELA DE CORRER COM MOSQUITEIRA INTEGRADA I 2 FOLHAS MÓVEIS I 2 RAILS

2 LEAVES WINDOW WITH INTEGRATED FLYSCREEN I 2 RAILS
FENÊTRE AVEC MOUSQUITAIRE INTÉGRÉE I 2 VANTAUX I 2 RAILS

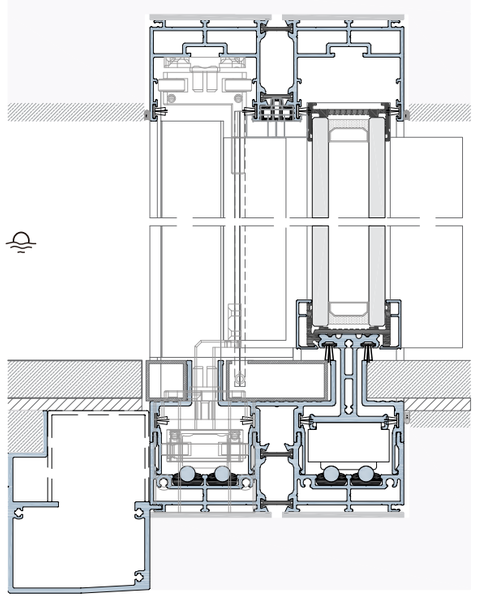




1:3

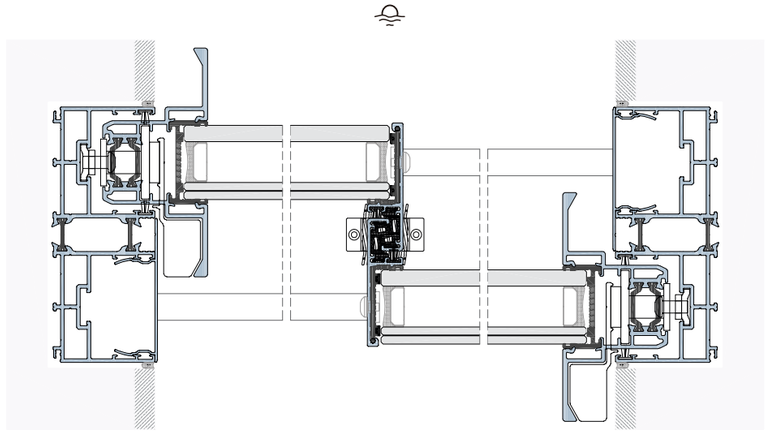


HRL
HIDDEN RAIL LOW

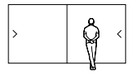


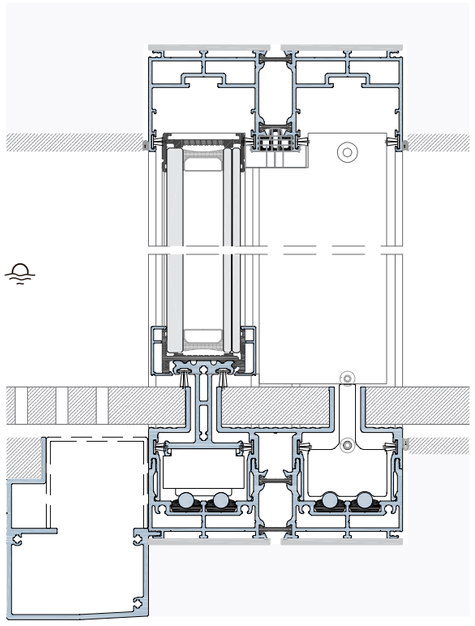
HRH
HIDDEN RAIL HIGH

EXP 36 HR I-VIEW



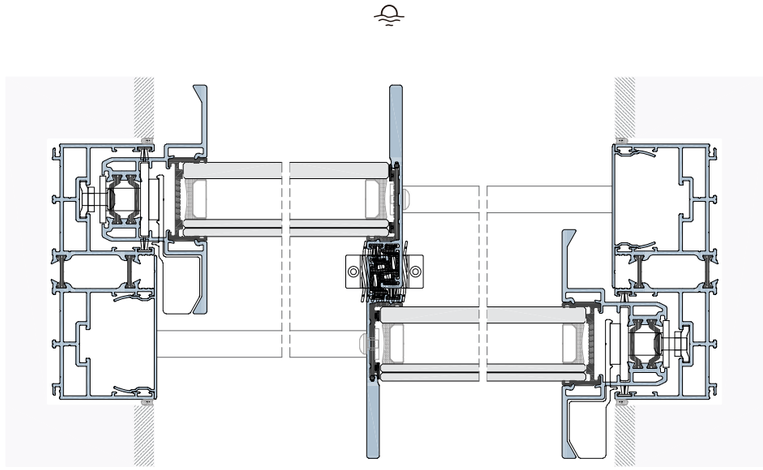
1:3





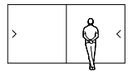
JANELA DE CORRER
2 FOLHAS MÓVEIS I 2 RAILS

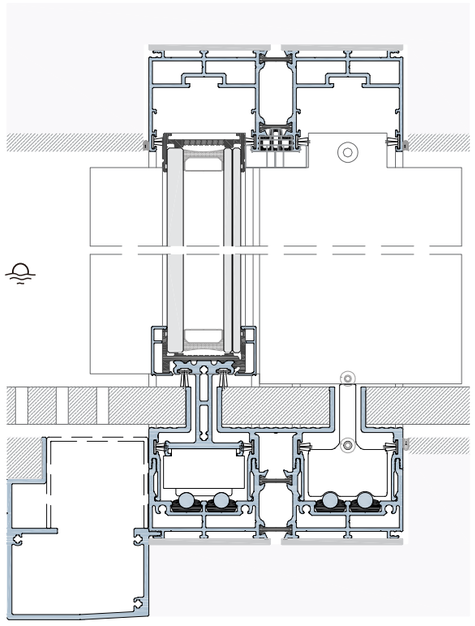
2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



1:3

6.3





JANELA DE CORRER
2 FOLHAS MÓVEIS I 2 RAILS

2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS

EXP 54 C



Pensado para utilização em ambientes extremos, o sistema EXP 54 C caracteriza-se pela sua aptidão para execução de grandes elementos envidraçados com vidro triplo, pesos até 1000Kg e áreas até 18m^2. Soluções de alto isolamento térmico aplicadas ao conceito EXPansion flexibilizam a realização de uma vasta gama de tipologias de correr que incluem também cantos livres, vãos de embutir na parede ou aberturas motorizadas mas também de outras soluções específicas do sistema, como a utilização de perfis centrais ocultos ou a realização de caixilhos inclinados.

DETALHES TÉCNICOS
TECHNICAL DETAILS
DÉTAILS TECHNIQUES

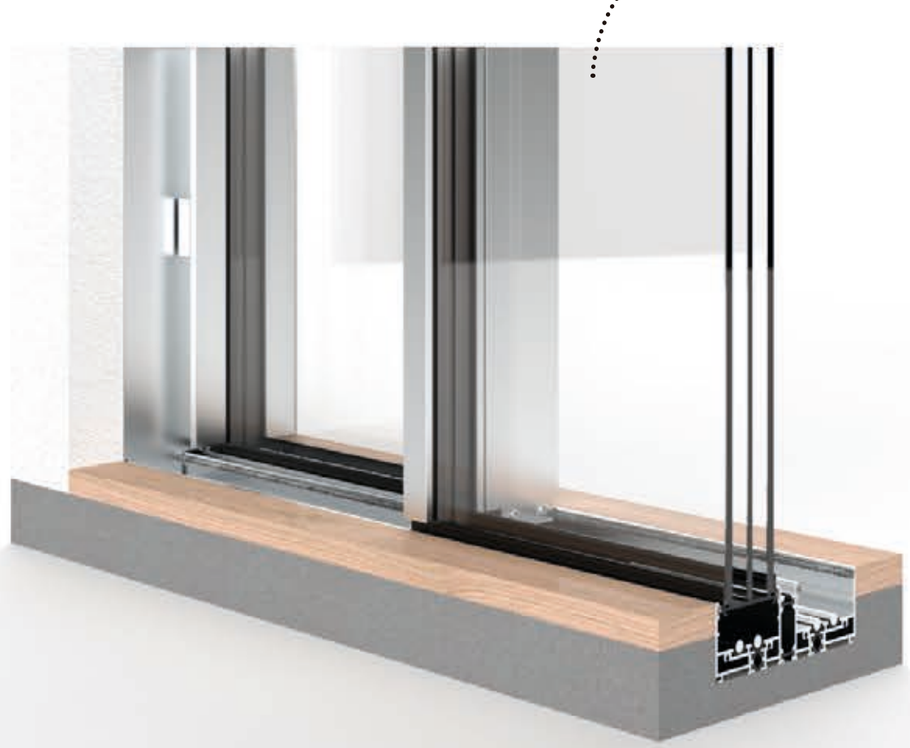
CARACTERÍSTICAS PRINCIPAIS MAIN CHARACTERISTICS CARACTÉRISTIQUES PRINCIPALES	**VALORES** VALUES VALEURS
Peso Máximo / Folha Maximum Weight / Leaf Poids Maximum / Vantail	1000 Kg
Altura Máxima / Folha Maximum Height / Leaf Hauteur Maximale / Vantail	6000 mm
Área Máxima / Folha Maximum Area / Leaf Surface Maximale / Vantail	18 m²
Enchimento Filling Remplissage	Até 54 mm Up to 54 mm Jusqu'à 54 mm
Motorização Motorization Motorisation	1-4 / Folhas (Opção: Sincronizada) 1-4 / Leaves (Option: Synchronized) 1-4 / Vantaux (Option: Synchronisé)

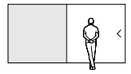
MARCAÇÃO CE (EN 14351-1) CE MARKING MARQUAGE CE	**RESULTADOS** RESULTS RÉSULTATS
Transmissão Térmica Thermal Transmitance Transmission Thermique	0,8 W/m² K (UG = 0,6 W/m² K)
Isolamento Acústico Acoustic Insulation Isolation Acoustique	Até 44 dB Up to 44 dB Jusqu'à 44 dB
Permeabilidade ao Ar Air Permeability Permeabilité à l'air	Classe 4 Class 4
Estanquidade à Água Water Tightness Étanchéité à l'eau	C I Classe 7A / Class 7A HR I Classe 6A / Class 6A
Resistência ao Vento Wind Resistance Résistance au Vent	Classe B4 Class B4

Designed for use in extreme environments, the EXP 54 C system is characterized by its ability to make large glazing elements with triple glass, weighing up to 1000Kg and areas up to 18m².
High thermal insulation solutions applied to the EXPansion concept make it flexible to create a wide range of sliding types that also include free corners, recessed wall openings or motorized openings, but also other system-specific solutions, such as the use of hidden vertical central profiles or the creation of sloped frames.

Conçu pour une utilisation dans des environnements extrêmes, le système EXP 54 C se caractérise par sa capacité à réaliser des grands vitrages avec triple vitrage, pesant jusqu'à 1000Kg et des surfaces jusqu'à 18m².
Les solutions à haute isolation thermique appliquées au concept EXPansion le rendent flexible pour créer une large gamme de types coulissants qui incluent également des angles libres, des ouvertures en galandage ou des ouvertures motorisées, mais aussi d'autres solutions spécifiques au système, telles que l'utilisation de profilés centraux verticaux cachés ou la création de châssis inclinés.

VIDRO TRIPLO
TRIPLE GLASS
TRIPLE VITRAGE





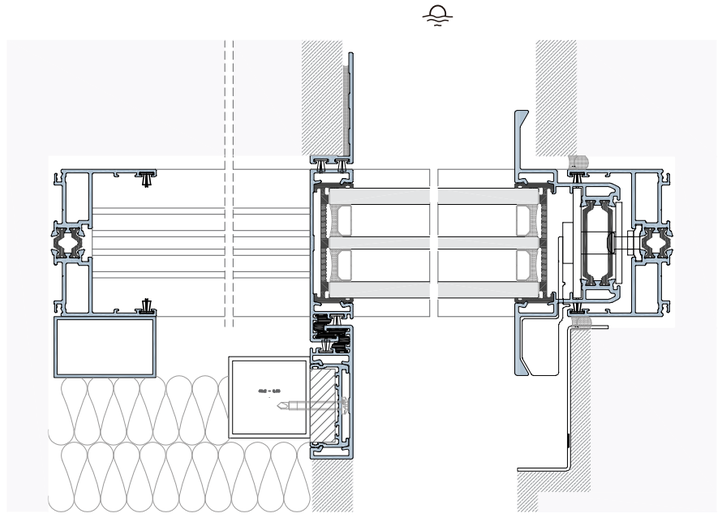
JANELA DE CORRER I 1 FOLHA MÓVEL I 1 RAIL

1 LEAF POCKET I 1 RAIL
FENÊTRE I 1 VANTAIL I GALANDAGE

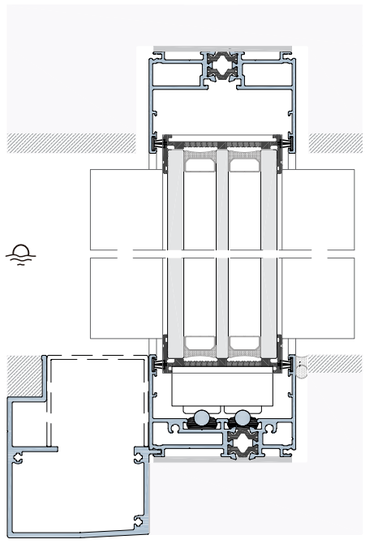
A solução de correr para embutir na parede (pocket) é ideal para espaços perfeitamente unificados entre o interior e o exterior. Ao esconder temporariamente as folhas móveis quando abertos os caixilhos, é proporcionada uma fluidez de espaço que se traduz numa vista perfeita para o exterior.

The sliding solution for hide the window into the wall (pocket) is ideal for spaces perfectly unified between the interior and the exterior. By temporarily hiding the moving vents when they are opened, a fluidity of space is provided that translates into a perfect view to the outside.

La solution coulissante pour cacher le châssis dans le mur (galandage) est idéale pour des espaces parfaitement unifiés entre l'intérieur et l'extérieur. En masquant temporairement les vantails mobiles lorsqu'elles sont ouverts, on assure une fluidité de l'espace qui se traduit par une vue parfaite vers l'extérieur.

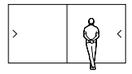


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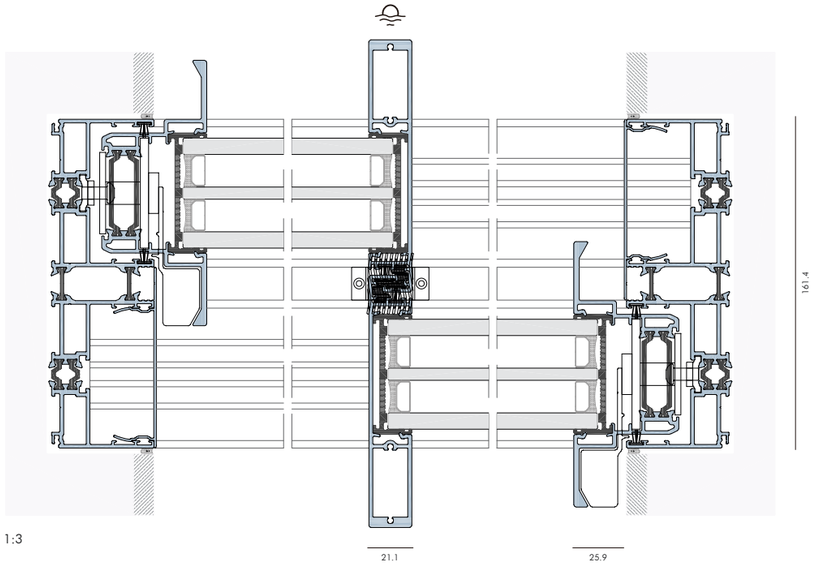




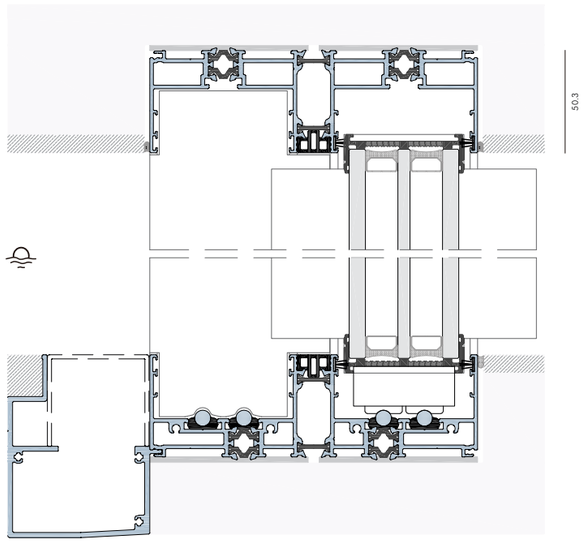
JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS



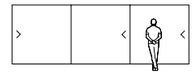
2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



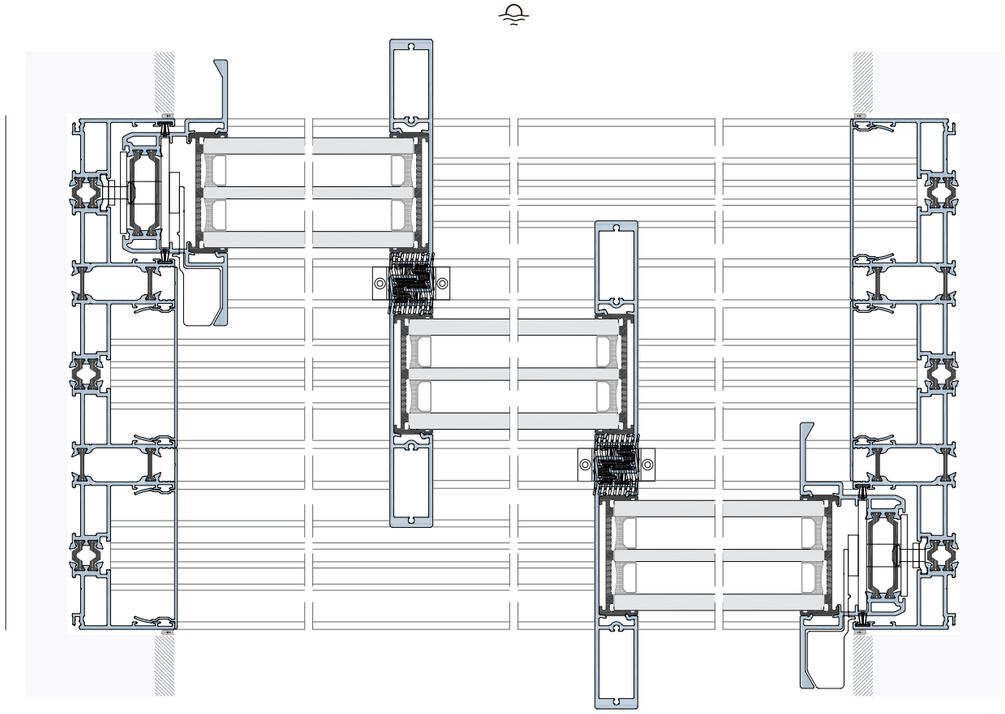
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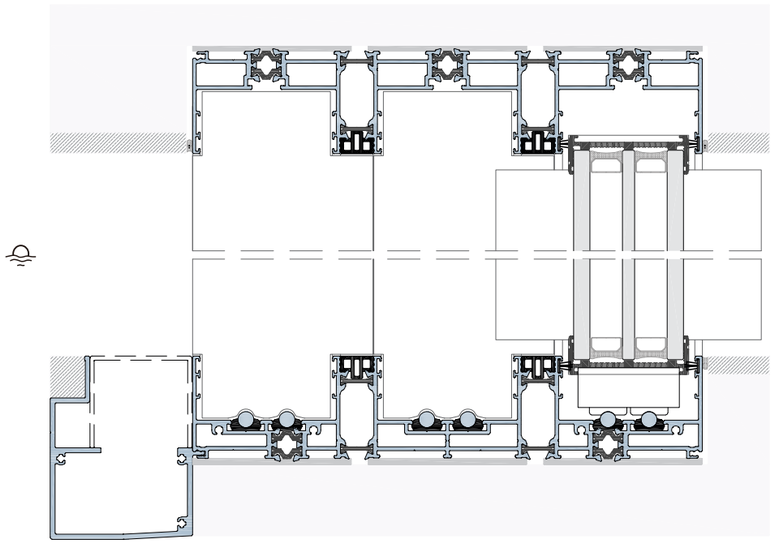
JANELA DE CORRER I 3 FOLHAS MÓVEIS I 3 RAILS

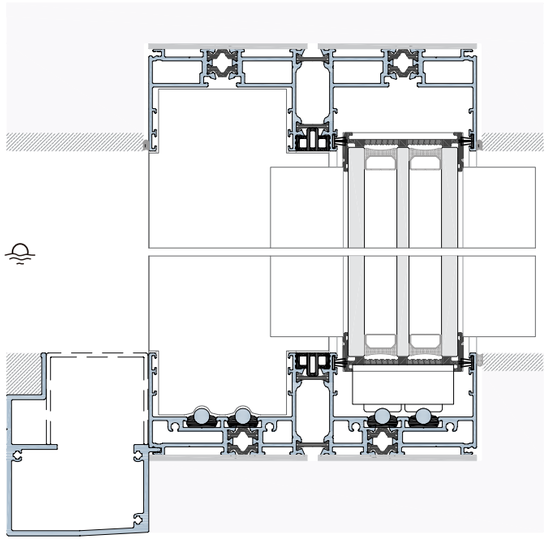


3 LEAVES WINDOW I 3 RAILS
FENÊTRE I 3 VANTAUX I 3 RAILS



1:3

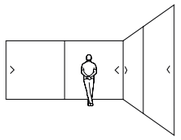


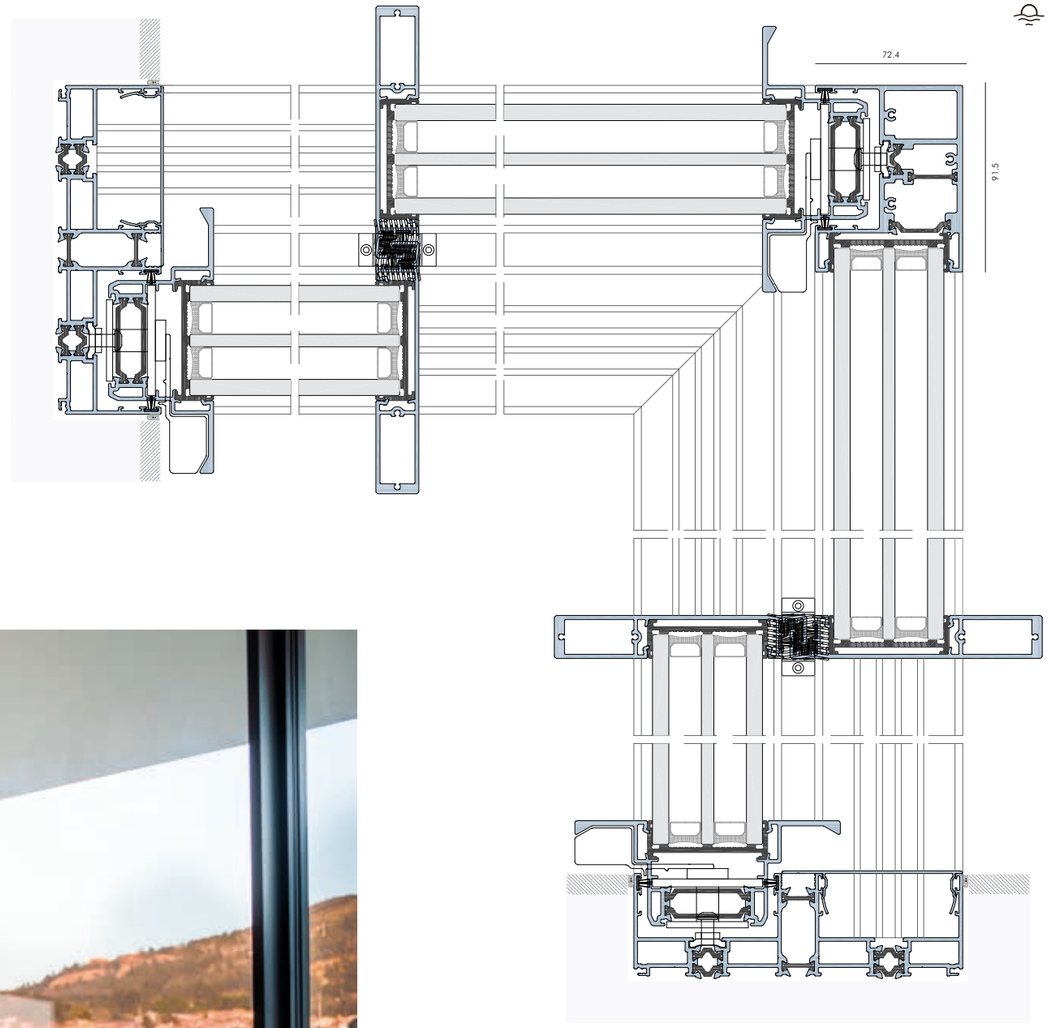


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JANELA DE CORRER
2 + 2 FOLHAS MÓVEIS
2 RAILS I CANTO 90°

2 + 2 LEAVES WINDOW
2 RAILS I CORNER 90°
FENÊTRE I 2 + 2 VANTAUX
2 RAILS I ANGLE 90°



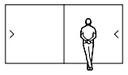


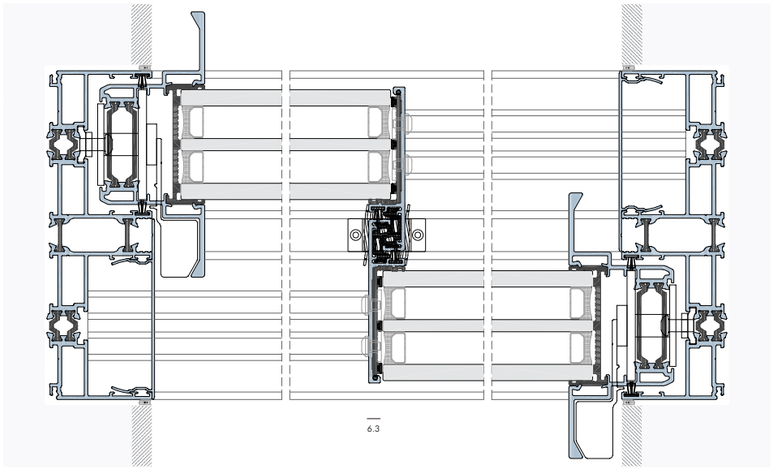


EXP 54 C I-VIEW

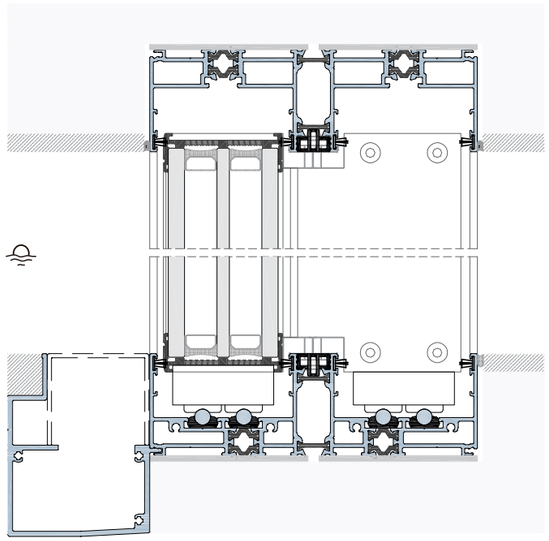
JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS

2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



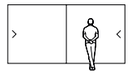


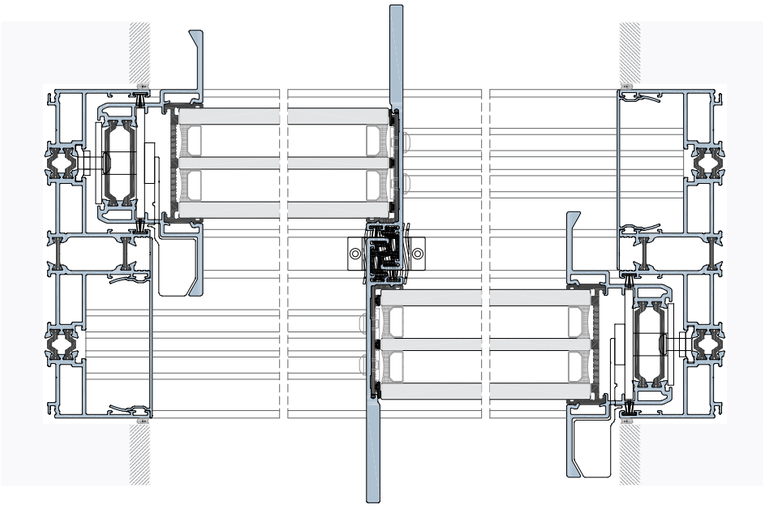
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JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS

2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS





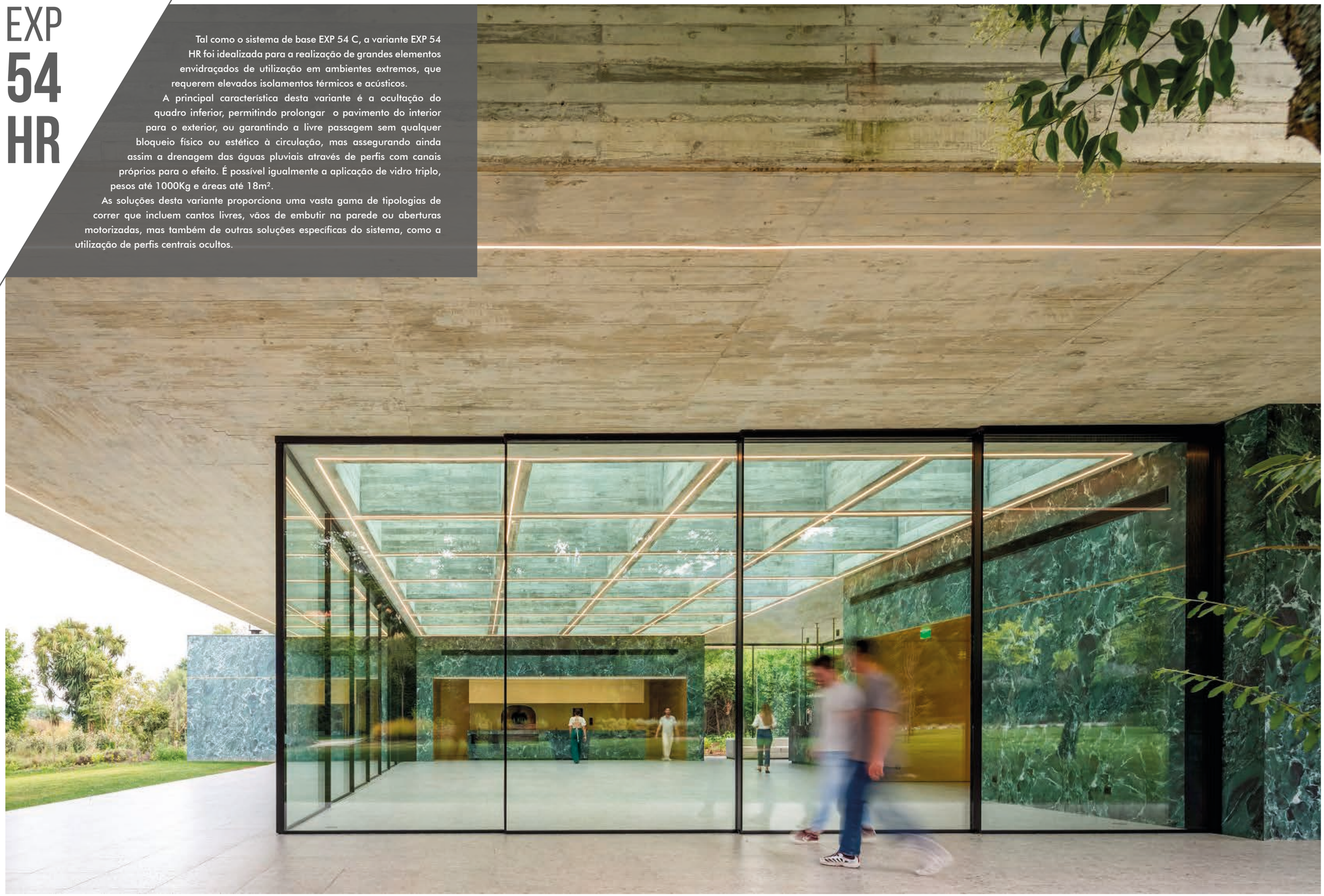


EXP 54 HR

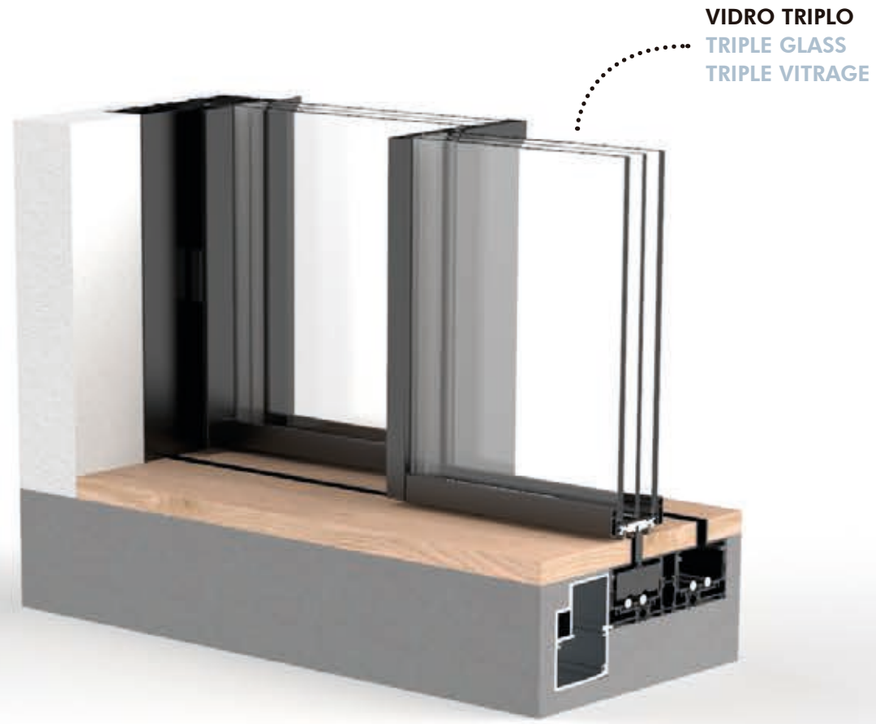
Tal como o sistema de base EXP 54 C, a variante EXP 54 HR foi idealizada para a realização de grandes elementos envidraçados de utilização em ambientes extremos, que requerem elevados isolamentos térmicos e acústicos.

A principal característica desta variante é a ocultação do quadro inferior, permitindo prolongar o pavimento do interior para o exterior, ou garantindo a livre passagem sem qualquer bloqueio físico ou estético à circulação, mas assegurando ainda assim a drenagem das águas pluviais através de perfis com canais próprios para o efeito. É possível igualmente a aplicação de vidro triplo, pesos até 1000Kg e áreas até 18m².

As soluções desta variante proporciona uma vasta gama de tipologias de correr que incluem cantos livres, vãos de embutir na parede ou aberturas motorizadas, mas também de outras soluções específicas do sistema, como a utilização de perfis centrais ocultos.



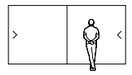




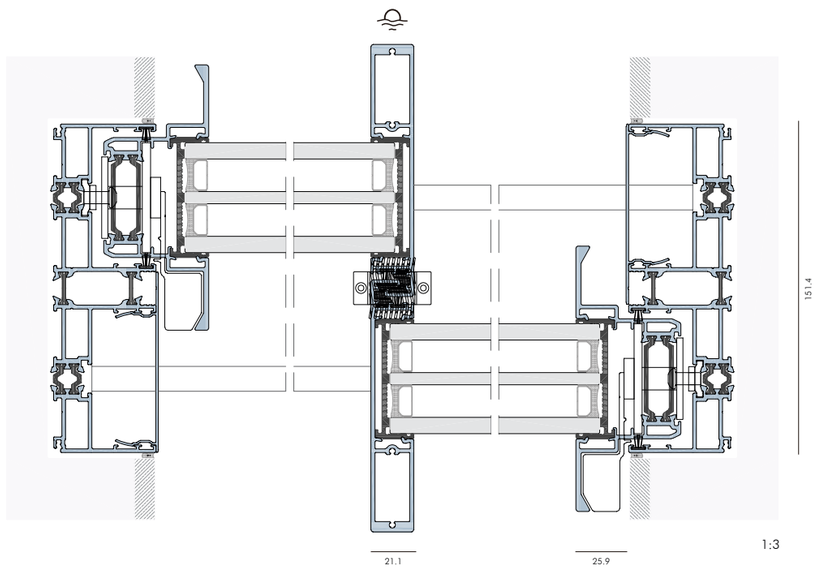
Like the base system EXP 54 C, the EXP 54 HR variant was designed for the creation of large glazing elements to use in extreme environments, which require high thermal and acoustic insulation.
The main feature of this variant is the concealment of the lower frame, allowing the floor to be extended from the inside to the outside, or ensuring free passage without any physical or aesthetic blockage to circulation, while still guaranteeing the drainage of rainwater through profiles with channels specific for that purpose. It is also possible to apply triple glazing, weights up to 1000Kg and areas up to 18m^2.
The solutions of this variant allow a wide range of sliding typologies that also include free corners, pocket vents that hide into the wall or motorized openings, as well as other specific system solutions, such as the use of hidden central profiles.

Comme le système de base EXP 54 C, la variante EXP 54 HR a également été conçue pour la réalisation de grands vitrages pour des environnements extrêmes, qui nécessitent une isolation thermique et acoustique élevée.
La principale caractéristique de cette variante est la dissimulation du cadre inférieur, permettant de prolonger le sol de l'intérieur vers l'extérieur, ou d'assurer un libre passage sans aucun blocage physique ou esthétique à la circulation, tout en garantissant l'évacuation d'eaux pluviales à travers de profils avec canaux spécifiques à cet effet. Il est également possible d'appliquer un triple vitrage, des poids jusqu'à 1000Kg et des surfaces jusqu'à 18m^2.
Les solutions de cette variante permettent une large gamme de typologies coulissantes qui incluent également des coins libres, des châssis en galandage qui se cachent dans le mur ou des ouvertures motorisées, ainsi que d'autres solutions spécifiques du système, telles que l'utilisation de profils centraux cachés.

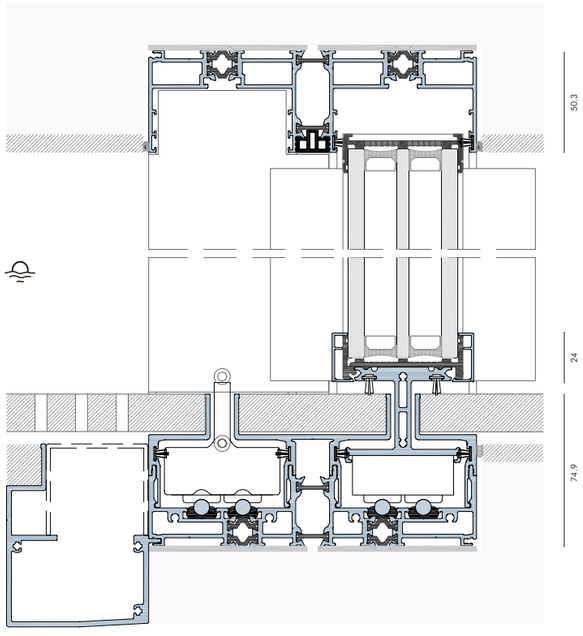
JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS

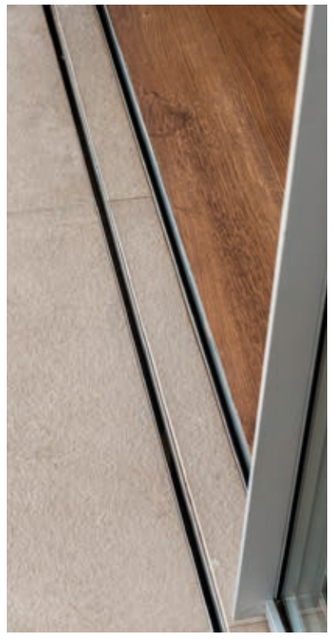


2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS

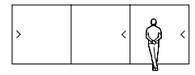


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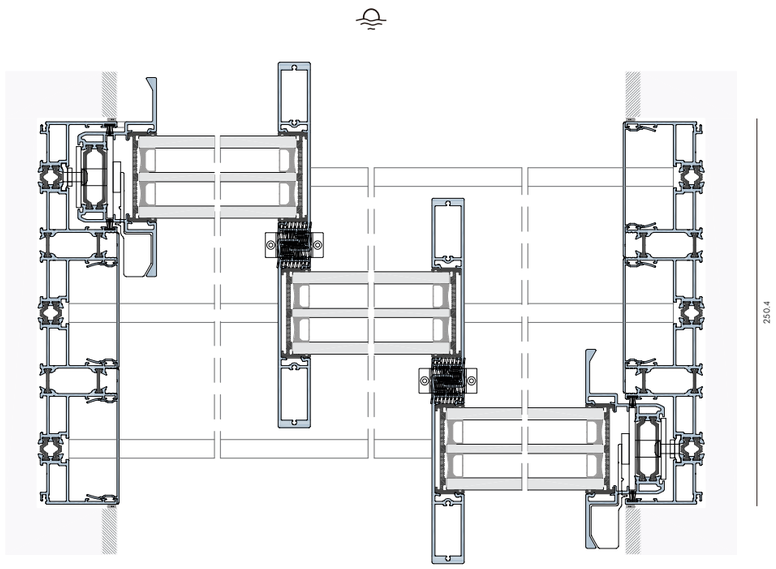




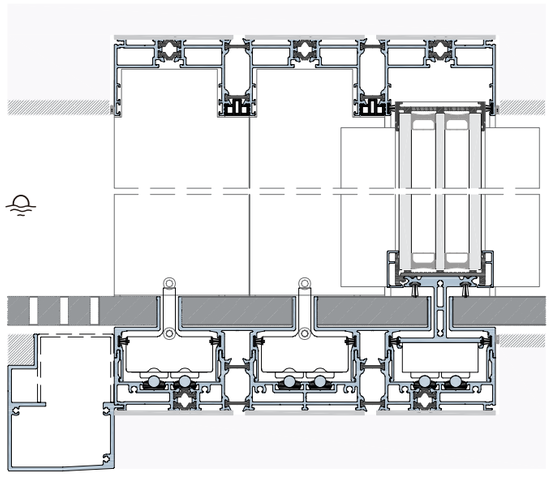
JANELA DE CORRER I 3 FOLHAS MÓVEIS I 3 RAILS



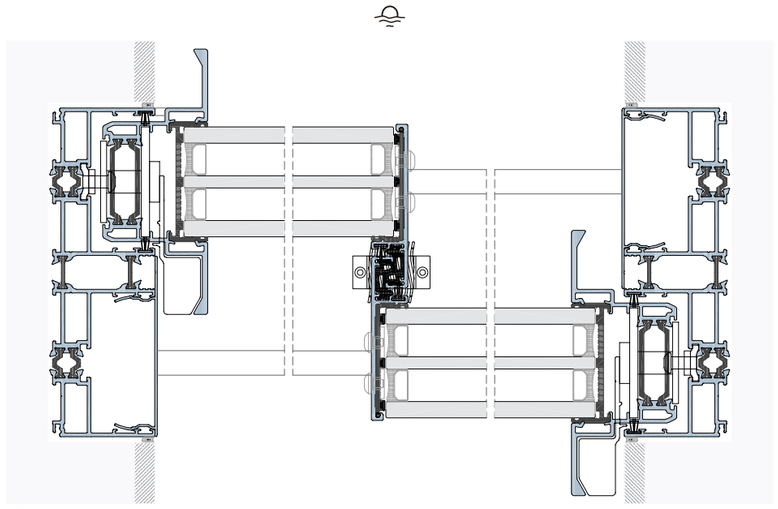
3 LEAVES WINDOW I 3 RAILS
FENÊTRE I 3 VANTAUX I 3 RAILS



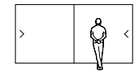
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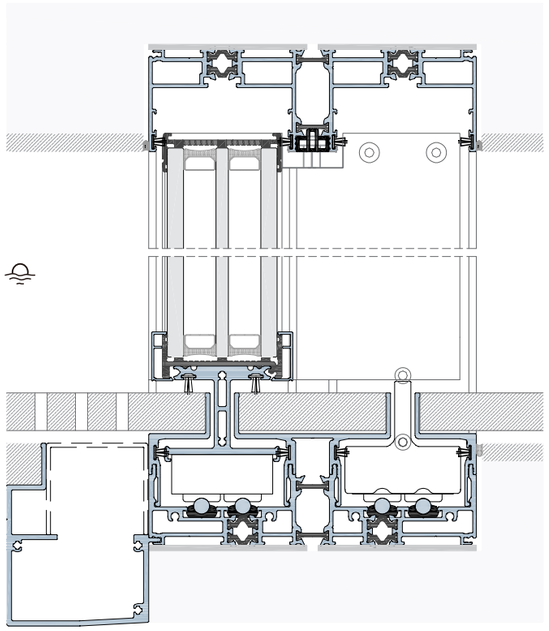


EXP 54 HR I-VIEW



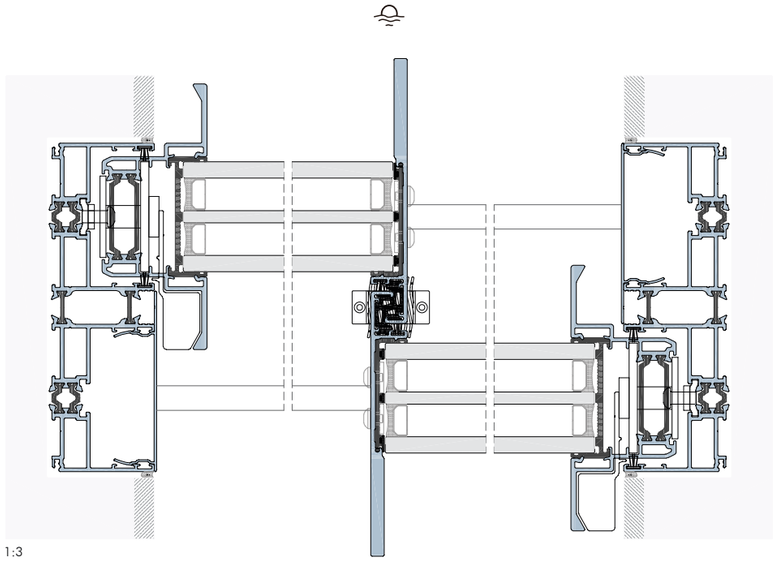
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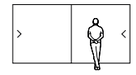


JANELA DE CORRER
2 FOLHAS MÓVEIS I 2 RAILS

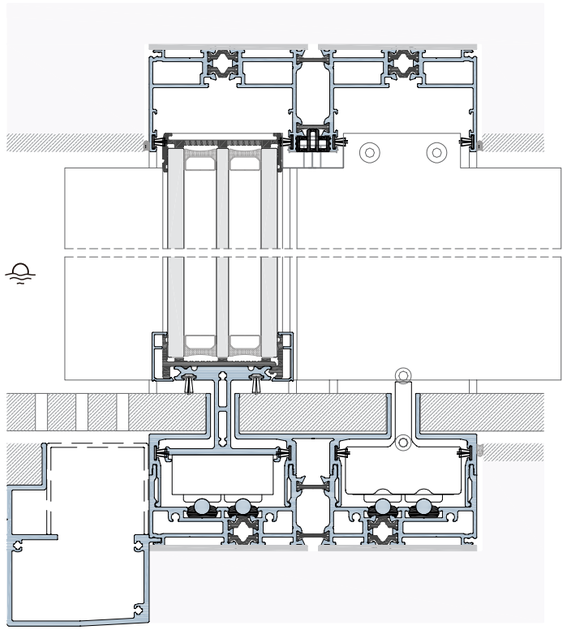
2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



1:3



6.3



JANELA DE CORRER
2 FOLHAS MÓVEIS I 2 RAILS

2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS

EXP 24

Quando o projeto necessita de um sistema equilibrado no que diz respeito a soluções e isolamento térmico, o EXP 24 é uma solução perfeita. Mantendo e otimizando a estética minimalista, o perfil central vertical do sistema tem apenas 18mm de vista e permite vidros até 250Kg e áreas até 8m². É possível utilizar vidro simples ou duplo, com espessuras de 12, 16, 20 ou 24mm. Mantendo o conceito EXPansion, o sistema permite a realização de folhas embutidas na parede (pocket), vãos de canto aberto ou a aplicação de soluções anti-inseto, para climas que assim o exijam. Graças à variante de perfis sem rutura térmica, o EXP 24 é utilizado também quando não existem requisitos térmicos ou ainda em vãos interiores.



DETALHES TÉCNICOS
TECHNICAL DETAILS
DÉTAILS TECHNIQUES

CARACTERÍSTICAS PRINCIPAIS MAIN CHARACTERISTICS CARACTÉRISTIQUES PRINCIPALES	**VALORES** VALUES VALEURS
Peso Máximo / Folha Maximum Weight / Leaf Poids Maximum / Vantail	250 Kg
Altura Máxima / Folha Maximum Height / Leaf Hauteur Maximale / Vantail	3000 mm
Área Máxima / Folha Maximum Area / Leaf Surface Maximale / Vantail	8 m²
Enchimento Filling Remplissage	Até 54 mm Up to 54 mm Jusqu'à 54 mm
Motorização Motorization Motorisation	1-4 / Folhas (Opção: Sincronizada) 1-4 / Leaves (Option: Synchronized) 1-4 / Vantaux (Option: Synchronisé)

MARCAÇÃO CE (EN 14351-1) CE MARKING MARQUAGE CE	**RESULTADOS** RESULTS RÉSULTATS
Isolamento Acústico Acoustic Insulation Isolation Acoustique	Até 34 dB Up to 34 dB Jusqu'à 34 dB
Permeabilidade ao Ar Air Permeability Permeabilité à l'air	Classe 4 Class 4
Estanquidade à Água Water Tightness Étanchéité à l'eau	Classe 7A Class 7A
Resistência ao Vento Wind Resistance Résistance au Vent	Classe B4 Class B4

When the project needs a balanced system in terms of solutions and thermal insulation, the EXP 24 C is a perfect solution. Keeping and optimizing the minimalist aesthetic, the central vertical profile of the system has only 18mm of view and allows glass up to 250Kg and areas up to 8m². It is possible to use single or double glass, with thicknesses of 12, 16, 20 or 24mm. Keeping the EXPansion concept, the system allows the creation of embedded vents in the wall (pocket), open corner elements or the application of anti-insect solutions, for climates that require it. Thanks to the profile variant without thermal break, the EXP 24 C is used also when there are no thermal requirements or in interior spaces.

Lorsque le projet nécessite un système équilibré en termes de solutions et d'isolation thermique, l'EXP 24 C est une solution parfaite. En gardant et en optimisant l'esthétique minimaliste, le profil vertical central du système n'a que 18 mm de vue et permet un vitrage jusqu'à 250 kg et des surfaces jusqu'à 8m². Il est possible d'utiliser du simple ou double vitrage, avec des épaisseurs de 12, 16, 20 ou 24 mm. En conservant le concept EXPansion, le système permet la création d'éléments encastrés dans le mur (galandage), d'éléments d'angle ouverts ou l'application de solutions anti-insectes, pour les climats qui le nécessitent. Grâce à la variante de profils sans rupture de pont thermique, l'EXP 24 C est également utilisé lorsqu'il n'y a pas d'exigences thermiques ou dans des espaces intérieurs.



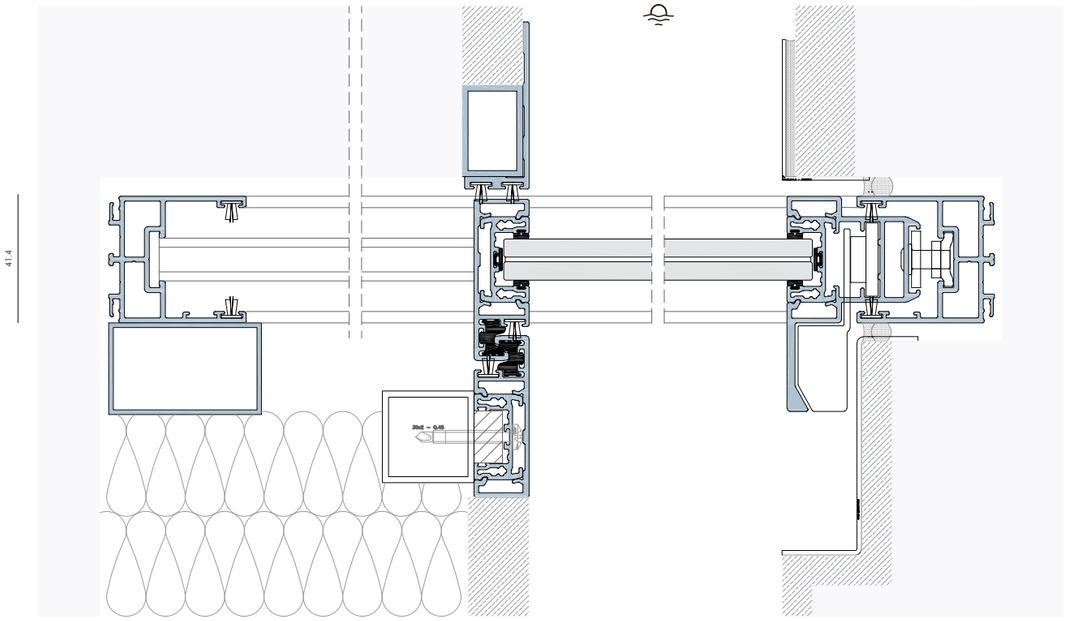


POCKET

A solução de correr para embutir na parede (pocket) é ideal para espaços perfeitamente unificados entre o interior e o exterior. Ao esconder temporariamente as folhas móveis quando abertos os caixilhos, é proporcionada uma fluidez de espaço que se traduz numa vista perfeita para o exterior.

The sliding solution for hide the window into the wall (pocket) is ideal for spaces perfectly unified between the interior and the exterior. By temporarily hiding the moving vents when they are opened, a fluidity of space is provided that translates into a perfect view to the outside.

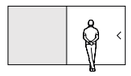
La solution coulissante pour cacher le châssis dans le mur (galandage) est idéale pour des espaces parfaitement unifiés entre l'intérieur et l'extérieur. En masquant temporairement les vantails mobiles lorsqu'elles sont ouverts, on assure une fluidité de l'espace qui se traduit par une vue parfaite vers l'extérieur.

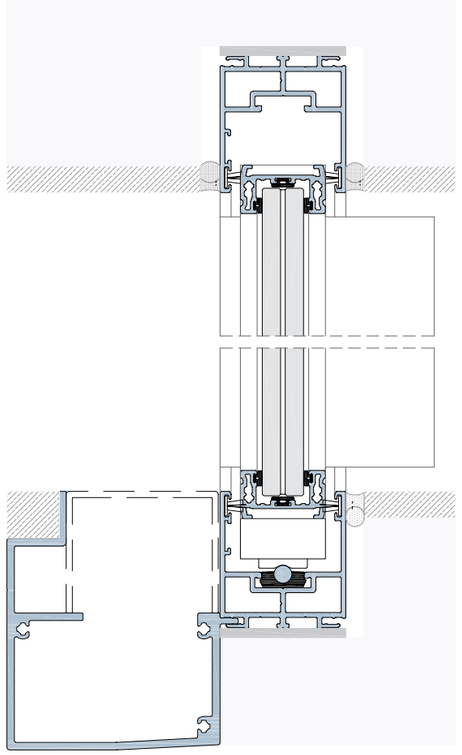


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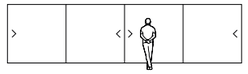
JANELA DE CORRER | 1 FOLHA MÓVEL | 1 RAIL

1 LEAF POCKET
FENÊTRE | 1 VANTAIL GALANDAGE

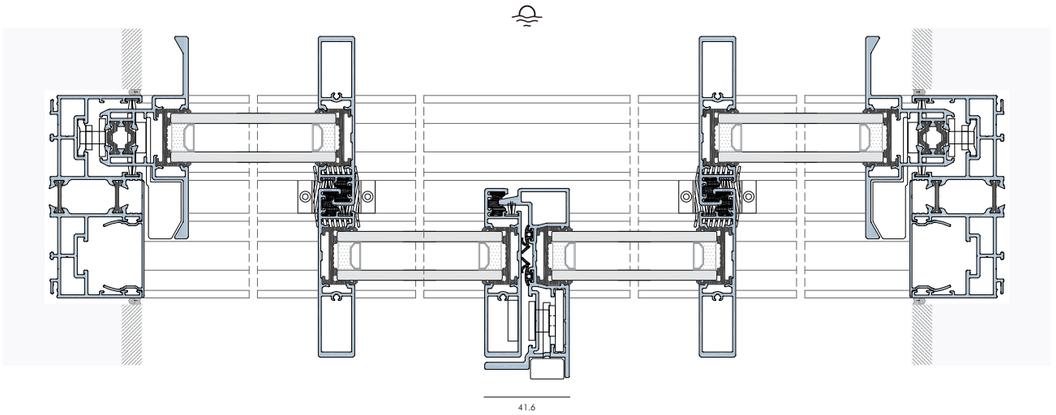




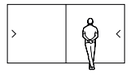
JANELA DE CORRER I 4 FOLHAS MÓVEIS I 2 RAILS



4 LEAVES WINDOW I 2 RAILS
FENÊTRE I 4 VANTAUX I 2 RAILS

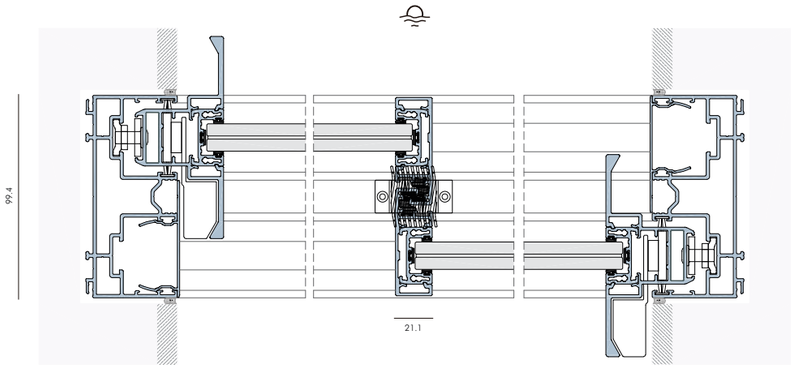


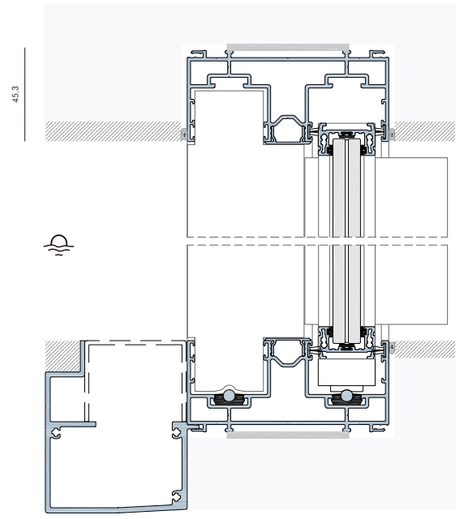




JANELA DE CORRER I 2 FOLHAS MÓVEIS I 2 RAILS

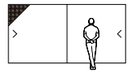
2 LEAVES WINDOW I 2 RAILS
FENÊTRE I 2 VANTAUX I 2 RAILS



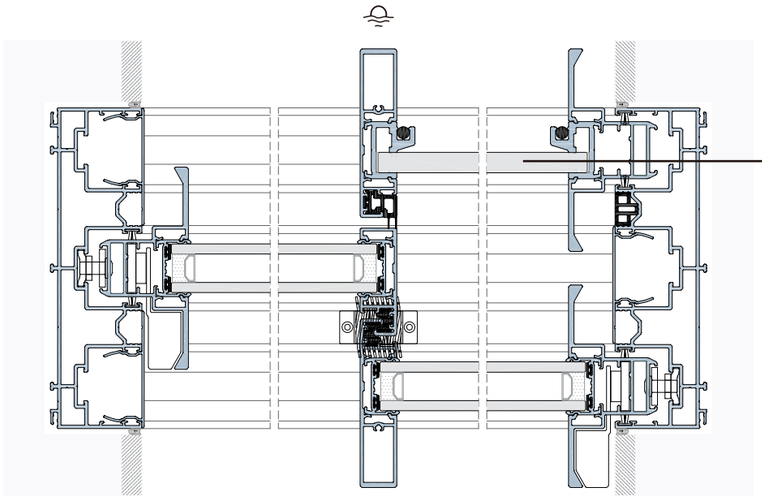


1:3

JANELA DE CORRER I 2 FOLHAS MÓVEIS + 1 REDE MOSQUITEIRA I 3 RAILS

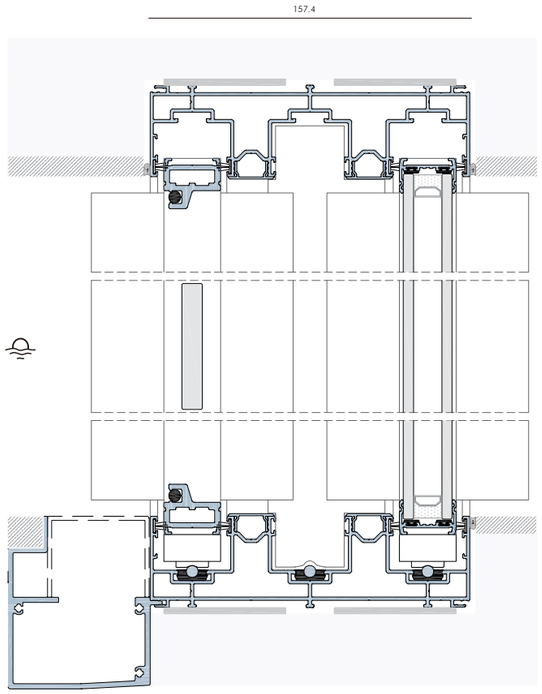


2 LEAVES WINDOW + 1 FLYSCREEN I 3 RAILS
FENÊTRE I 2 VANTAUX + 1 VANTAIL MOUSQUITAIRE I 3 RAILS



1:3

REDE FIXA
Fixed Screen



Tirar partido da interação que o sistema EXPansion permite com o envolvente do seu refúgio sem o incómodo dos mosquitos, é a mais valia desta modalidade, que contempla uma barreira anti-inseto através de uma rede translúcida.

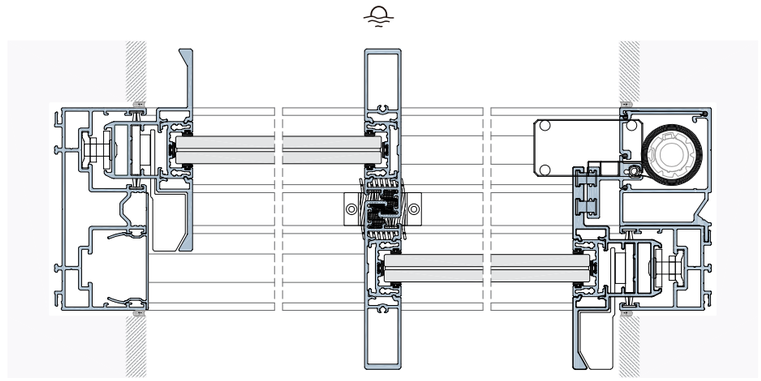
Taking advantage of the interaction that the EXPansion System allows with the environment of your refuge without the nuisance of mosquitoes, is the added value of this modality, which includes an anti-mosquito barrier through a translucent screen.

Profiter de l'interaction que le Système EXPansion permet avec l'environnement de votre refuge sans la nuisance des moustiques, c'est la valeur ajoutée de cette modalité, qui comprend une barrière anti-moustiques à travers un filet translucide.

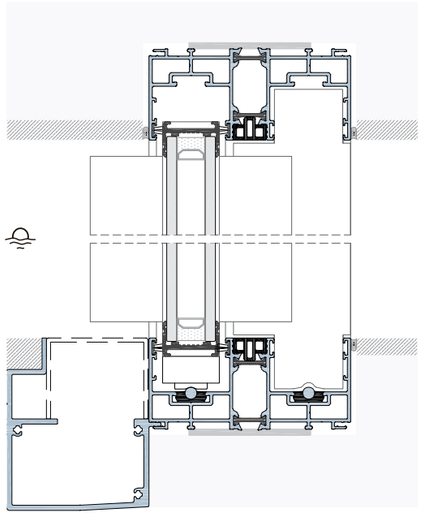
JANELA DE CORRER COM MOSQUITEIRA INTEGRADA 2 FOLHAS MÓVEIS I 2 RAILS



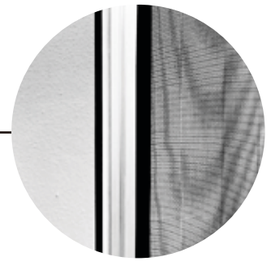
2 LEAVES WINDOW WITH INTEGRATED FLYSCREEN I 2 RAILS
FENÊTRE AVEC MOUSQUITAIRE INTÉGRÉE I 2 VANTAUX I 2 RAILS

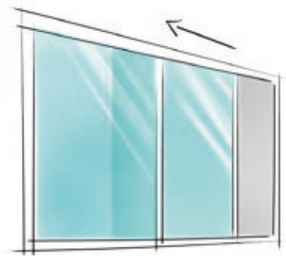


1:3



REDE ENROLÁVEL
Rollable Screen

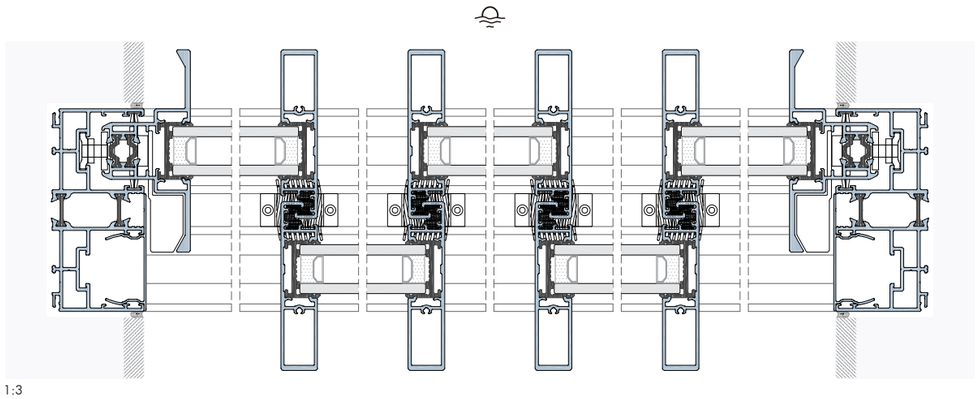




JANELA DE CORRER RPT I 5 FOLHAS MÓVEIS I 2 RAILS

5 RPT LEAVES WINDOW I 2 RAILS
FENÊTRE RPT I 5 VANTAUX I 2 RAILS

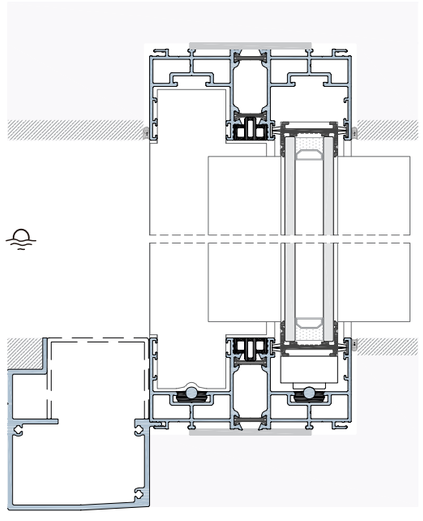




1:3

RUTURA TÉRMICA

Thermal Break



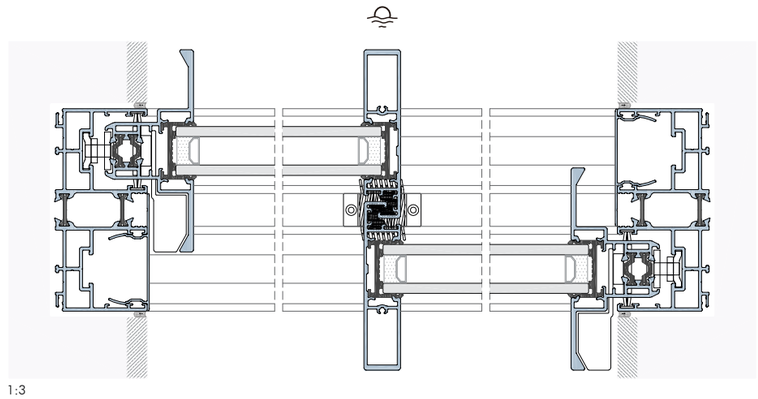
Os perfis com rutura de ponte térmica são constituídos por dois materiais elementares com resistência idêntica, alumínio e poliamida, permitindo às janelas criar uma barreira climática entre o interior e o exterior. Além de contribuir para a prevenção da condensação, a poliamida proporciona um excelente isolamento térmico, criando uma barreira para a condução do calor e frio entre o exterior para o aquecimento ou arrefecimento do espaço. Ideal para zonas com clima moderado, o que permite aquecer e refrescar o edifício nas várias estações do ano.

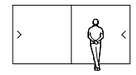
The profiles with thermal break are made of two elementary materials with identical resistance, aluminum and polyamide, allowing the windows to create a climatic barrier between the interior and the exterior. In addition to contributing to the prevention of condensation, polyamide provides excellent thermal insulation, creating a barrier for the conduction of heat and cold between the outside, and allowing to contribute to the heating or cooling of spaces. Ideal for areas with a moderate climate, which allows you to heat and cool your building throughout the different seasons of the year.

Les profilés à rupture de pont thermique sont constitués de deux matériaux élémentaires de résistance identique, l'aluminium et le polyamide, permettant aux fenêtres de créer une barrière climatique entre l'intérieur et l'extérieur. En plus de contribuer à la prévention de la condensation, le polyamide offre une excellente isolation thermique, créant une barrière pour la conduction de la chaleur et du froid entre l'extérieur, et permettant de contribuer au chauffage ou au refroidissement des espaces. Idéal pour les zones au climat tempéré, ce qui vous permet de chauffer et de rafraîchir le bâtiment tout au long des différentes saisons de l'année.

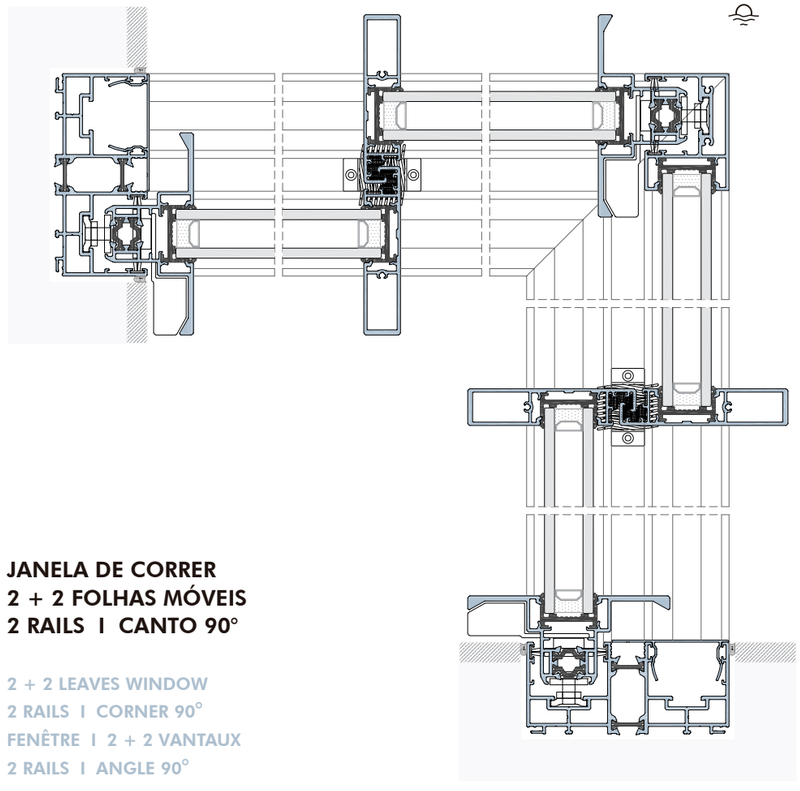
JANELA DE CORRER RPT I 2 FOLHAS MÓVEIS I 2 RAILS

2 RPT LEAVES WINDOW I 2 RAILS
FENÊTRE RPT I 2 VANTAUX I 2 RAILS





1:3



JANELA DE CORRER
2 + 2 FOLHAS MÓVEIS
2 RAILS I CANTO 90°

2 + 2 LEAVES WINDOW
2 RAILS I CORNER 90°
FENÊTRE I 2 + 2 VANTAUX
2 RAILS I ANGLE 90°



EXP PIV

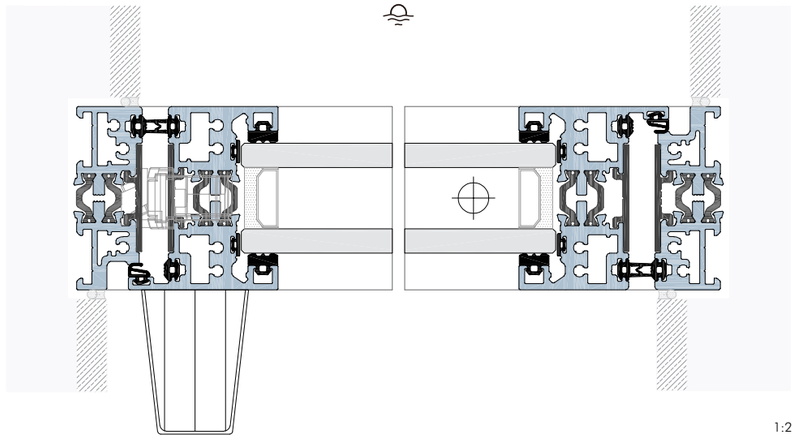
As portas pivotantes têm a particularidade de girar em torno de um eixo vertical que pode ser assimétrico. O sistema EXP PIV permite a realização de portas para entradas principais dos edifícios, replicando o conceito minimalista dos vãos envidraçados adjacentes. A utilização de vários tipos de puxador permite ao utilizador abrir suavemente grandes ângulos proporcionando uma experiência de espaço e de conforto. A segurança é garantida com a aplicação de fechaduras multiponto, de operação manual ou eletromagnética, com a possibilidade de utilizar controlo de acessos. Com este sistema é também possível a realização de janelas de abertura pivotante, expandindo para outras partes do edifício o mesmo tipo de abertura e mantendo assim o conceito minimalista.



DETALHES TÉCNICOS
TECHNICAL DETAILS
DÉTAILS TECHNIQUES

CARACTERÍSTICAS PRINCIPAIS MAIN CHARACTERISTICS CARACTÉRISTIQUES PRINCIPALES	**VALORES** VALUES VALEURS
Peso Máximo / Folha Maximum Weight / Leaf Poids Maximum / Vantail	500 Kg
Altura Máxima / Folha Maximum Height / Leaf Hauteur Maximale / Vantail	5000 mm
Área Máxima / Folha Maximum Area / Leaf Surface Maximale / Vantail	8 m^2

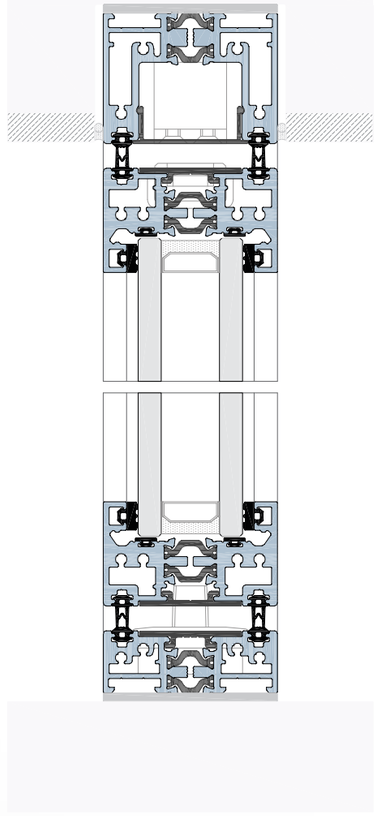




1:2

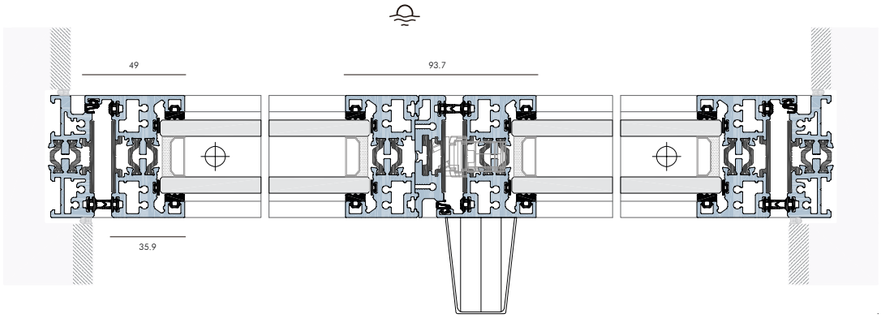
Pivoting doors have the particularity of rotating around a vertical axis that can be asymmetrical. The EXP PIV system allows the creation of doors for the main entrances of the buildings, replicating the minimalist concept of the adjacent glazed openings. The use of various types of handles allows the user to smoothly open large angles providing an experience of space and comfort. Security is guaranteed with the application of multipoint locks, with manual or electromagnetic operation, with the possibility of using access control. With this system it is also possible to create pivoting opening windows, expanding the same type of opening to other parts of the building and thus maintaining the minimalist concept.

Les portes pivotantes ont la particularité de tourner autour d'un axe vertical qui peut être asymétrique. Le système EXP PIV permet la création de portes pour les entrées principales des bâtiments, reproduisant le concept minimaliste des ouvertures vitrées adjacentes. L'utilisation de différents types de poignées permet à l'utilisateur d'ouvrir en douceur de grands angles offrant une expérience d'espace et de confort. La sécurité est garantie avec l'application de serrures multipoints, à fonctionnement manuel ou électromagnétique, avec la possibilité d'utiliser des contrôles d'accès. Avec ce système, il est également possible de créer des fenêtres à ouverture pivotante, élargissant le même type d'ouverture à d'autres parties du bâtiment et conservant ainsi le concept minimaliste.

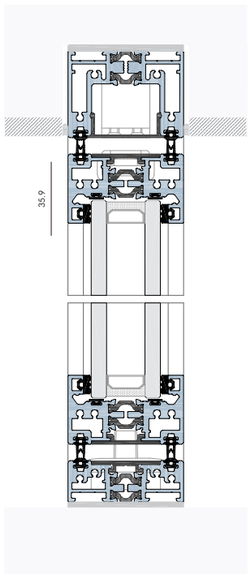


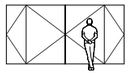
JANELA PIVOTANTE I 1 FOLHA

PIVOT WINDOW I 1 LEAF
FENÊTRE PIVOTANTE I 1 VANTAIL



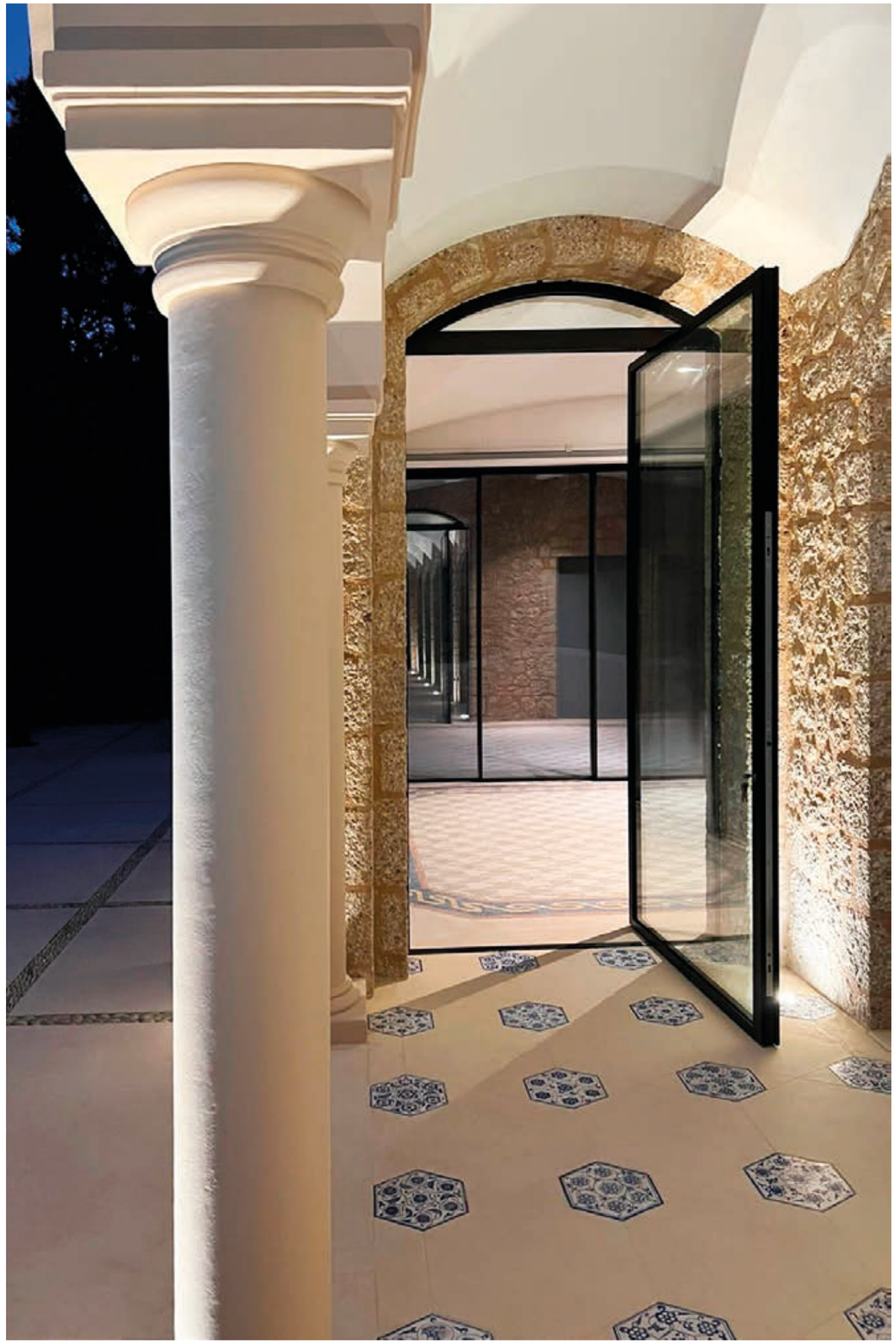
1:3





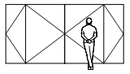
JANELA PIVOTANTE I 2 FOLHAS

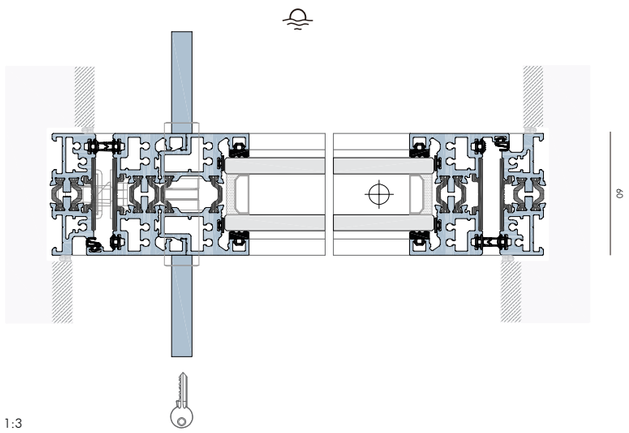
PIVOT WINDOW I 2 LEAVES
FENÊTRE PIVOTANTE I 2 VANTAUX



PORTA PIVOTANTE I 1 FOLHA

PIVOT DOOR I 1 LEAF
PORTE PIVOTANTE I 1 VANTAIL

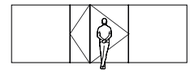


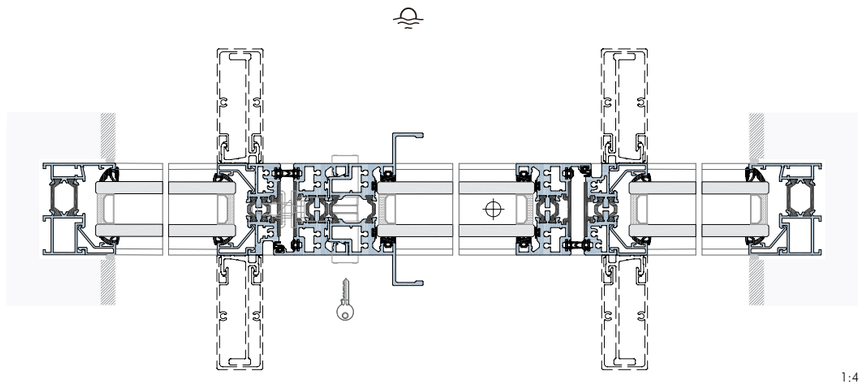


1:3

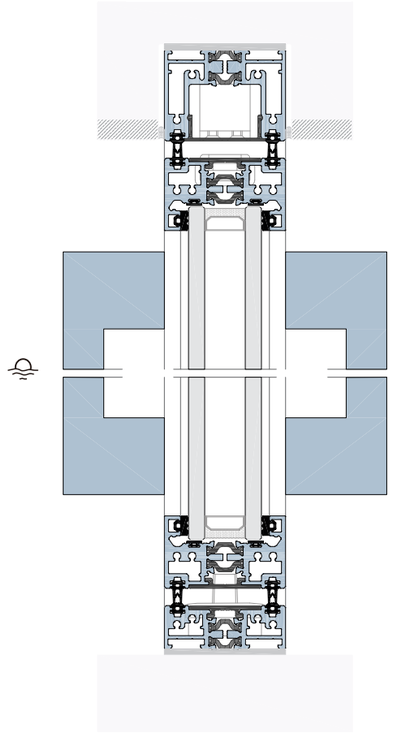
PORTA PIVOTANTE I 1 FOLHA + 2 FIXAS

PIVOT DOOR I 1 LEAF + 2 FIXED
PORTE PIVOTANTE I 1 VANTAIL + 2 FIXES

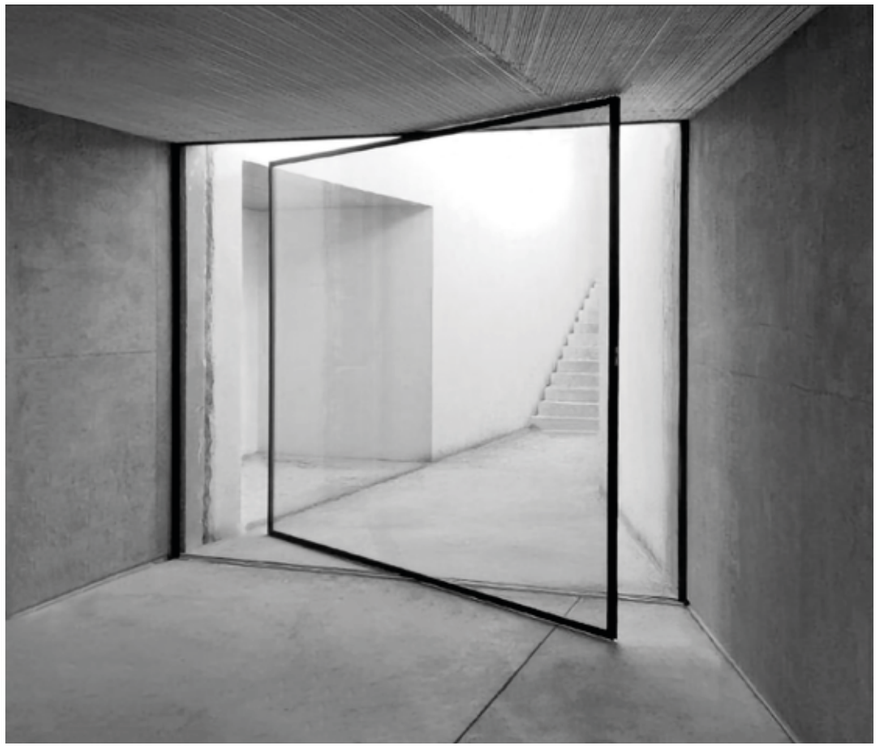




1:4

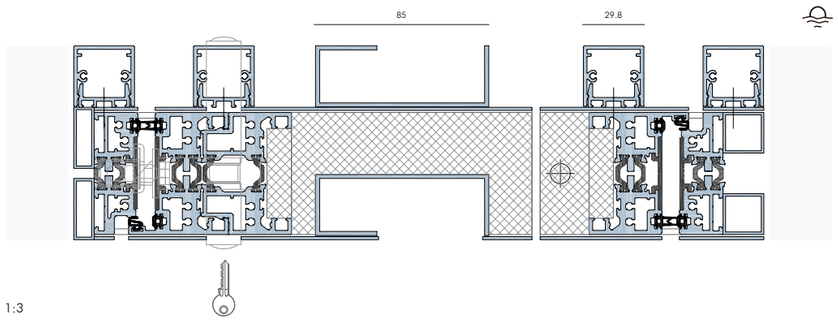




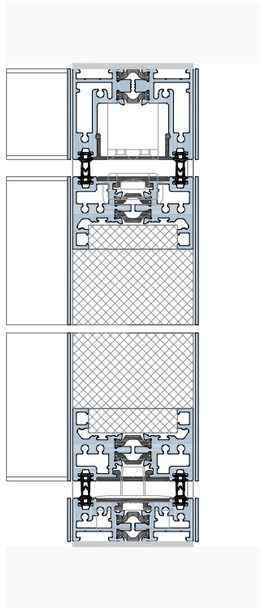


PORTA PIVOTANTE + REVESTIMENTO EXP REV I 1 FOLHA

PIVOT DOOR + CLADDING EXP REV I 1 LEAF
PORTE PIVOTANTE + REVÊTEMENT EXP REV I 1 VANTAIL



1:3







EIXO
AXIS
AXE

As portas Pivot têm a particularidade de girar em torno de um eixo vertical, podendo atingir aproximadamente os 360°.
Ótima opção para economizar o espaço da sua casa, inclusive torná-la ainda mais prática e sofisticada.

Pivot doors have the particularity of rotating around a vertical axis, and can reach approximately 360°.
A great option to save space in your home, even making it even more practical and sophisticated.

Les portes pivotantes ont la particularité de tourner autour d'un axe vertical, et peuvent atteindre environ 360°.
Une excellente option pour gagner de l'espace dans votre maison, tout en la rendant encore plus pratique et sophistiquée.

PUXADORES
HANDLES
POIGNÉES

PUXADOR DUPLO SLIM
SLIM DOUBLE HANDLE
DOUBLE POIGNÉE SLIM



PUXADOR DUPLO 25X25X400
DOUBLE HANDLE 25X25X400
DOUBLE POIGNÉE 25X25X400

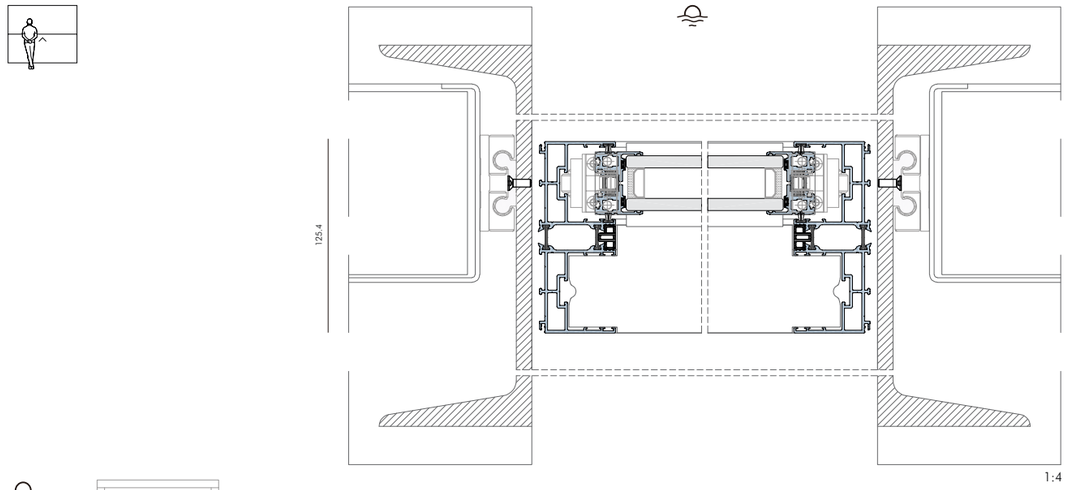


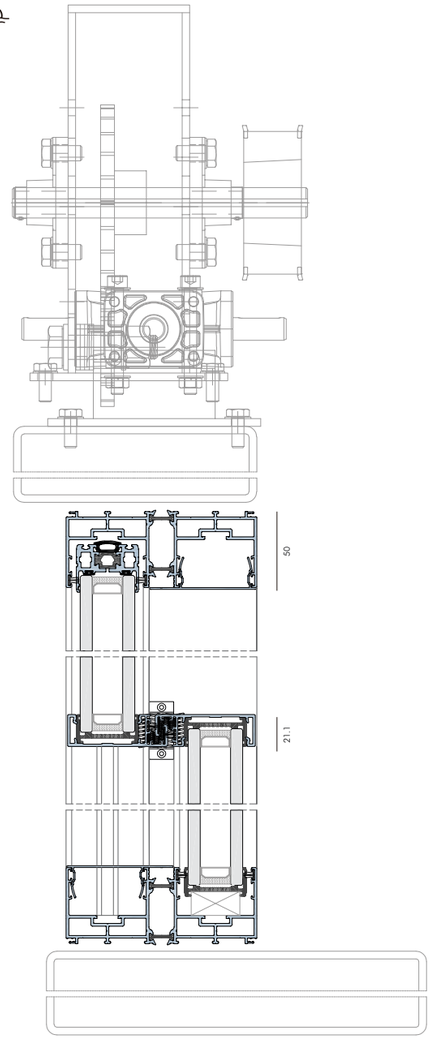


EXP
G

O conceito EXPansion permite a realização de vãos envidraçados de correr com abertura vertical em guilhotina. A diferença e audácia desta solução contraria o conceito natural de gravidade, proporcionando uma visão mais realista e ampliada do exterior do edifício. A movimentação de janelas de correr na vertical permite uma transição de espaços sem obstáculos e sem esforço, manualmente ou de forma motorizada, em envidraçados até 600Kg e áreas até 12m^2.







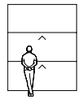
GUILHOTINA I 2 FOLHAS I 2 RAILS

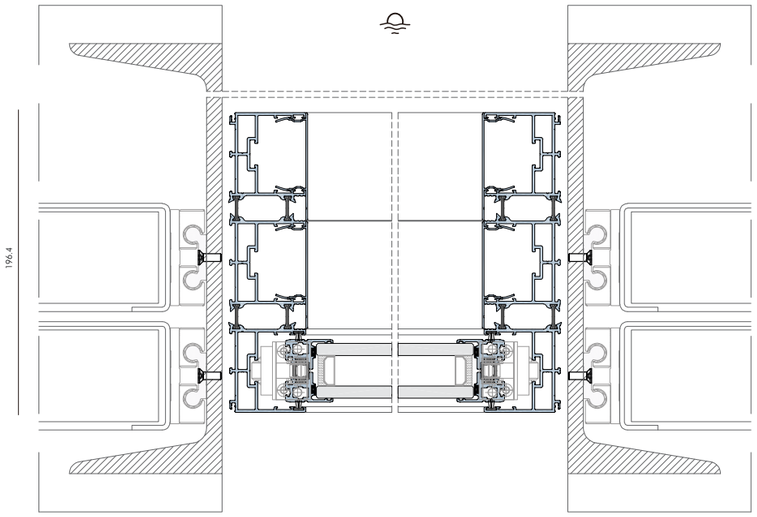
VERTICAL SLIDER I 2 LEAVES WINDOW I 2 RAILS
GUILLOTINE I 2 VANTAUX I 2 RAILS



GUILHOTINA I 3 FOLHAS I 3 RAILS

VERTICAL SLIDER I 3 LEAVES WINDOW I 3 RAILS
GUILLOTINE I 3 VANTAUX I 3 RAILS



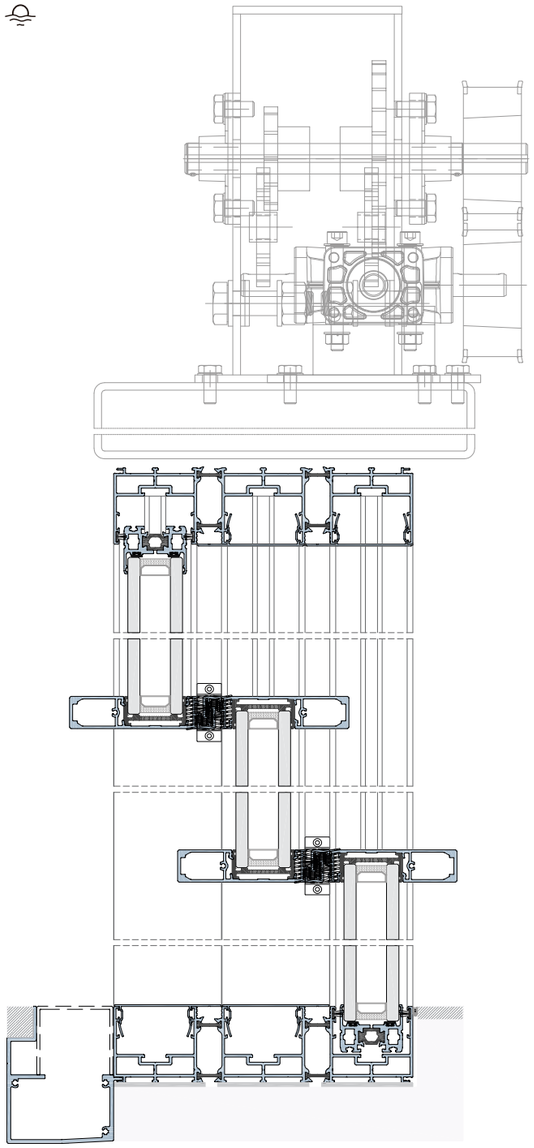


1:4



The EXPansion concept allows the creation of sliding openings with a vertical guillotine opening. The difference and audacity of this solution contradicts the natural concept of gravity, providing a more realistic and expanded view of the building's exterior. The vertical movement of sliding windows allows a transition of spaces without obstacles and without effort, manually or motorized, in glazing up to 600Kg and areas up to 12m².

Le concept EXPansion permet de créer des châssis coulissantes verticales avec une ouverture à guillotine. La différence et l'audace de cette solution contredisent le concept naturel de gravité, offrant une vision plus réaliste et élargie de l'extérieur du bâtiment. Le mouvement vertical des fenêtres coulissantes permet une transition des espaces sans obstacles et sans effort, manuellement ou motorisé, dans des vitrages jusqu'à 600Kg et des surfaces jusqu'à 12m².



EXP X

A estética linear de vista reduzida obtida pelo sistema EXP X para vãos de batente proporciona diversos tipos de abertura, mantendo a estética minimalista em vãos fixos, basculantes, de batente ou oscilobatentes. Com esta solução é possível executar vãos envidraçados até 3.5m de altura, com espessuras de vidros duplos ou triplos entre 24 e 42mm e pesos até 150Kg. A solução de portas do sistema permite utilizar o mesmo conceito mas acrescentando uma solução inteligente para a incorporação de fechaduras multiponto, proporcionando a necessária segurança deste tipo de abertura.



DETALHES TÉCNICOS
TECHNICAL DETAILS
DÉTAILS TECHNIQUES

CARACTERÍSTICAS PRINCIPAIS MAIN CHARACTERISTICS CARACTÉRISTIQUES PRINCIPALES	**VALORES** VALUES VALEURS
Peso Máximo / Folha Maximum Weight / Leaf Poids Maximum / Vantail	150 Kg
Altura Máxima / Folha Maximum Height / Leaf Hauteur Maximale / Vantail	3500 mm
Área Máxima / Folha Maximum Area / Leaf Surface Maximale / Vantail	3,5 m²
Enchimento Filling Remplissage	Até 42 mm Up to 42 mm Jusqu'à 42 mm

MARCAÇÃO CE (EN 14351-1) CE MARKING MARQUAGE CE	**RESULTADOS** RESULTS RÉSULTATS
Transmissão Térmica Thermal Transmitance Transmission Thermique	0,7 W/m² K
Isolamento Acústico Acoustic Insulation Isolation Acoustique	Até 44 dB Up to 44 dB Jusqu'à 44 dB
Permeabilidade ao Ar Air Permeability Permeabilité à l'air	Classe 4 Class 4
Estanquidade à Água Water Tightness Étanchéité à l'eau	Classe E1200 Class E1200
Resistência ao Vento Wind Resistance Résistance au Vent	Classe C5 Class C5

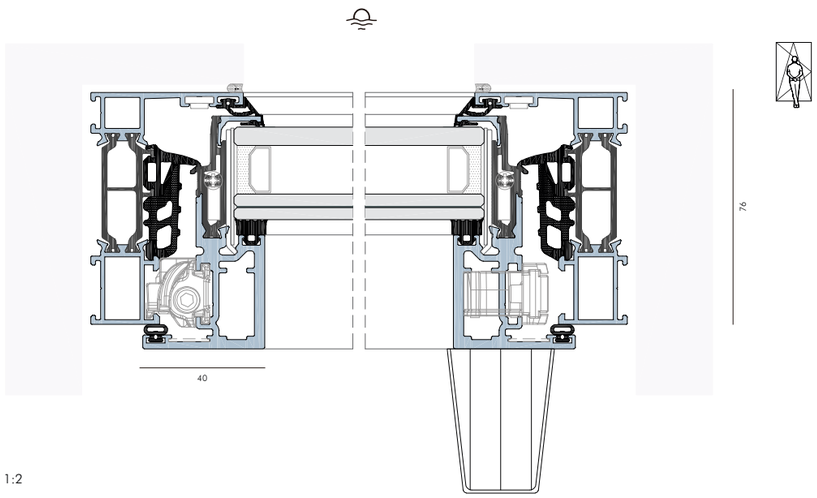
The reduced-view linear aesthetic obtained by the EXP X system for casement windows provides different types of opening, maintaining the minimalist aesthetic in fixed, tilting, casement or turn and tilt spans. With this solution it is possible to create glazed openings up to 3.5m high, with double or triple glazing thicknesses between 24 and 42mm and weights up to 150Kg. The system's door solution allows using the same concept but adding an intelligent solution for the incorporation of multipoint locks, providing the necessary security for this type of opening.

L'esthétique linéaire à vue réduite obtenue par le système EXP X pour fenêtres battants offre différents types d'ouverture, en conservant l'esthétique minimaliste pour des châssis fixes, à soufflet, à la française ou oscillo-battantes. Avec cette solution, il est possible de créer des ouvertures vitrées jusqu'à 3,5 m de haut, avec des épaisseurs de double ou triple vitrage comprises entre 24 et 42 mm et des poids allant jusqu'à 150 kg. La solution de porte du système permet d'utiliser le même concept mais en ajoutant une solution intelligente pour l'incorporation de serrures multipoints, offrant la sécurité nécessaire pour ce type d'ouverture.



JANELA OSCILOBATENTE I 1 FOLHA

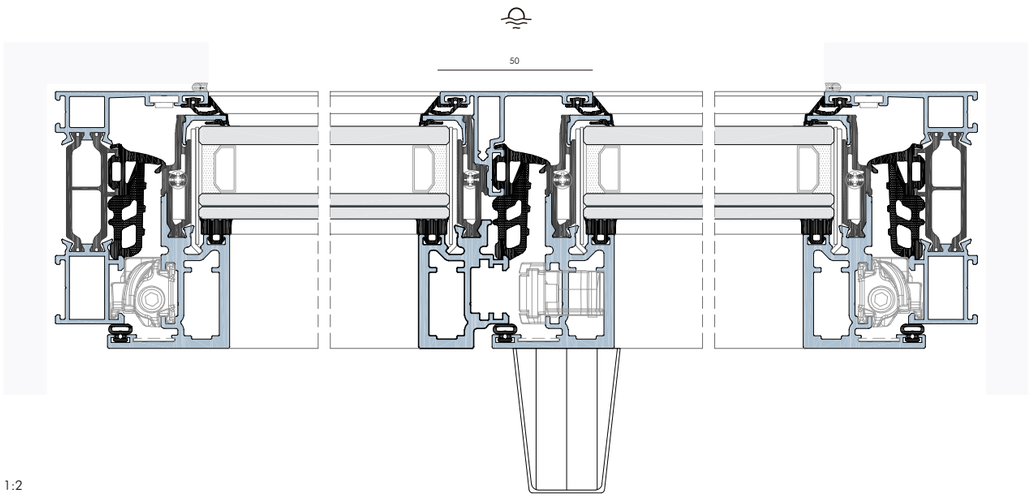
1 LEAF TURN AND TILT
FENÊTRE OSCILLO-BATTANTE I 1 VANTAIL



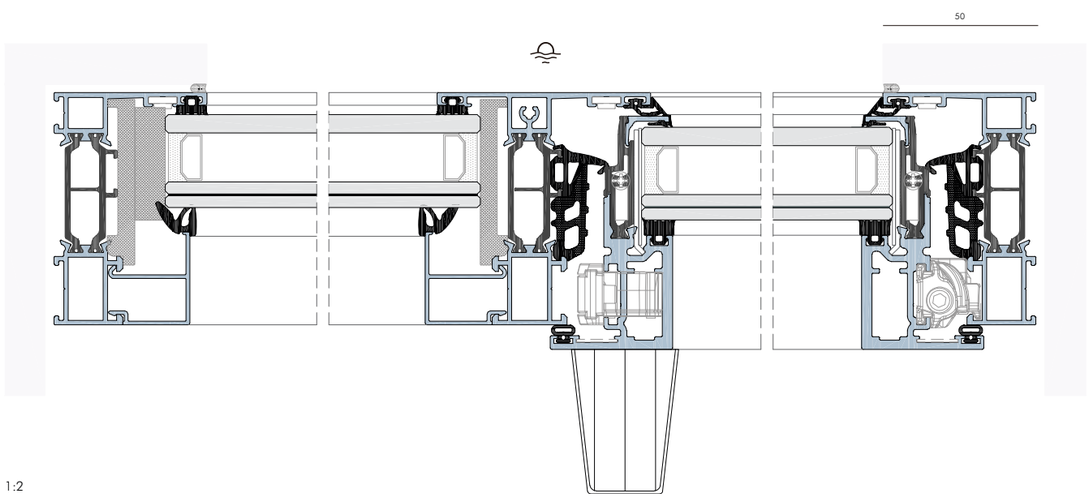
1:2

JANELA OSCILOBATENTE I 2 FOLHAS

2 LEAVES TURN AND TILT
FENÊTRE OSCILLO-BATTANTE I 2 VANTAUX



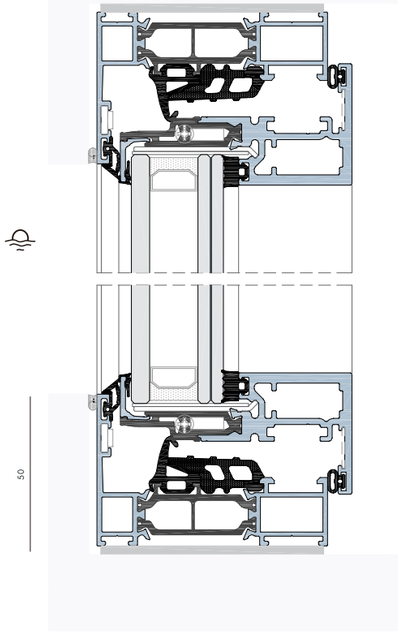
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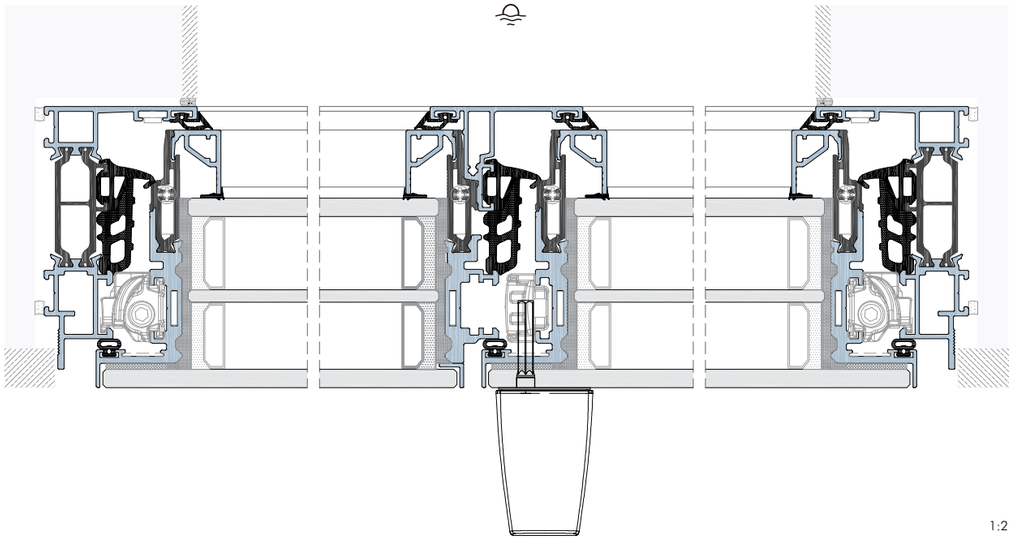
1:2

JANELA OSCILOBATENTE
1 FOLHA + 1 FOLHA FIXA

TURN AND TILT WINDOW
1 LEAF + 1 FIXED LEAF
FENÊTRE OSCILLO-BATTANTE
1 VANTAIL + 1 VANTAIL FIXE



EXP X I-VIEW



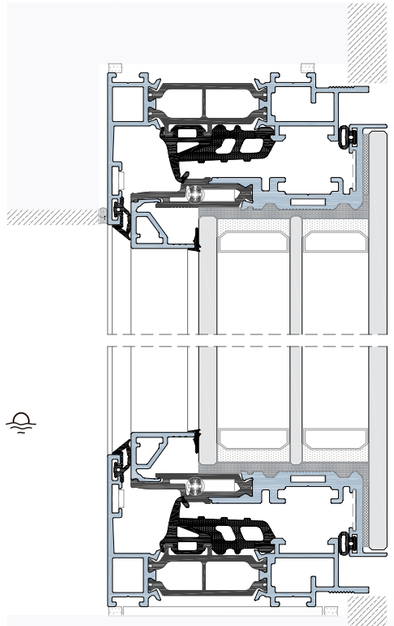
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JANELA OSCILOBATENTE I 2 FOLHAS

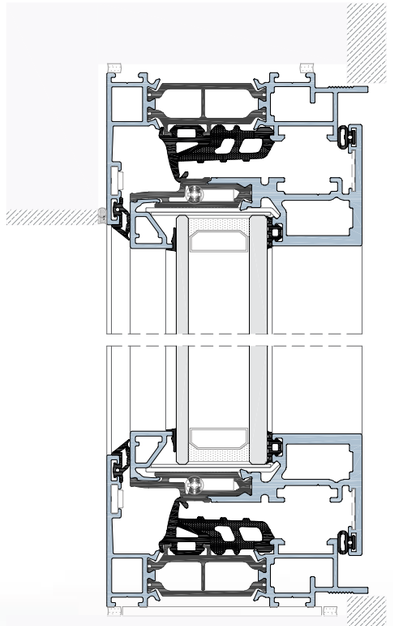
2 LEAVES TURN AND TILT
FENÊTRE OSCILLO-BATTANTE I 2 VANTAUX



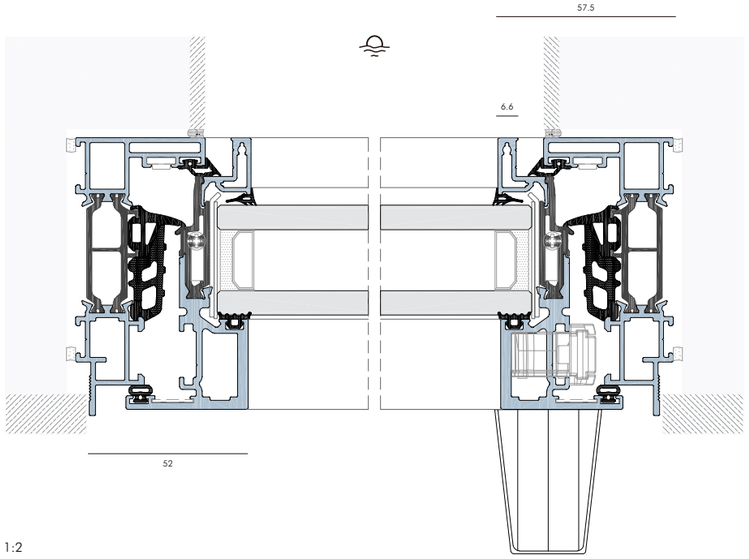








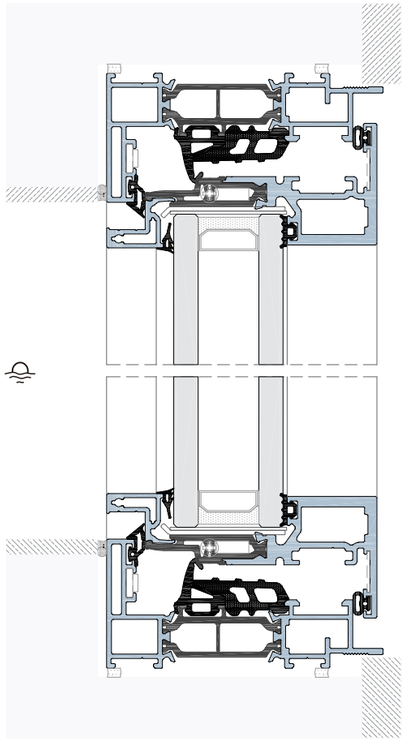
EXP X STEEL



1:2

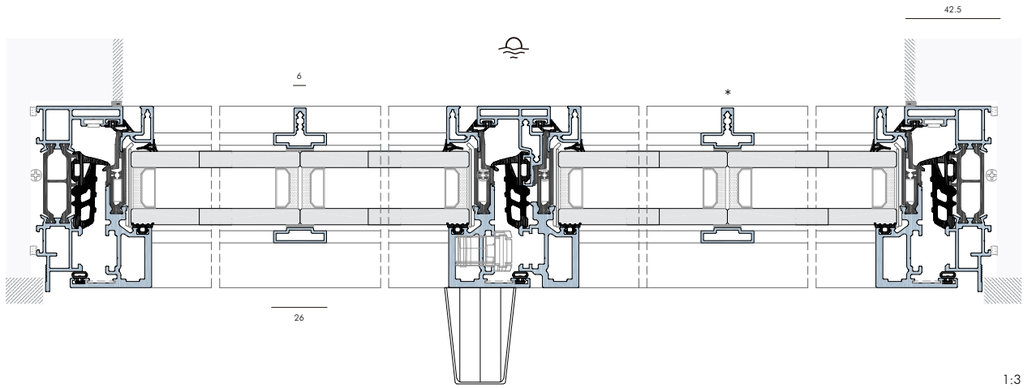
JANELA OSCILOBATENTE I 1 FOLHA

1 LEAF TURN AND TILT
FENÊTRE OSCILLO-BATTANTE I 1 VANTAIL



JANELA OSCILOBATENTE I 2 FOLHAS

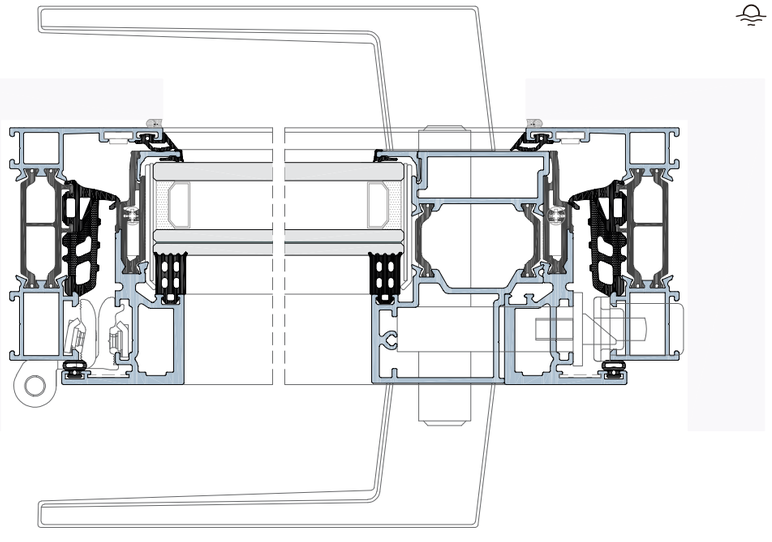
2 LEAVES TURN AND TILT
FENÊTRE OSCILLO-BATTANTE I 2 VANTAUX



1:3

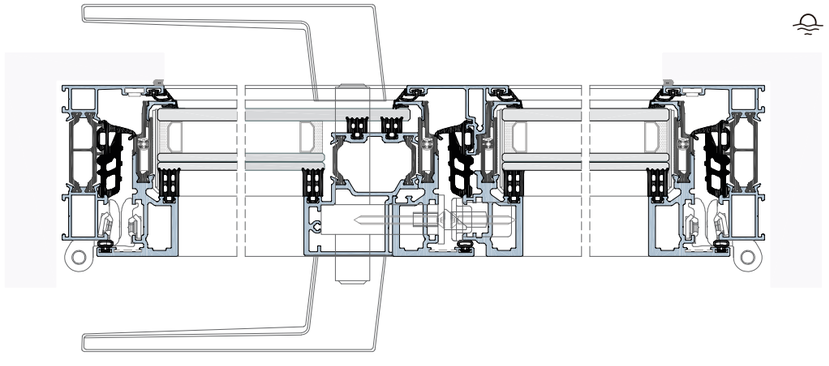


* Opcional I Optional I Optionnel



1:2

83.4



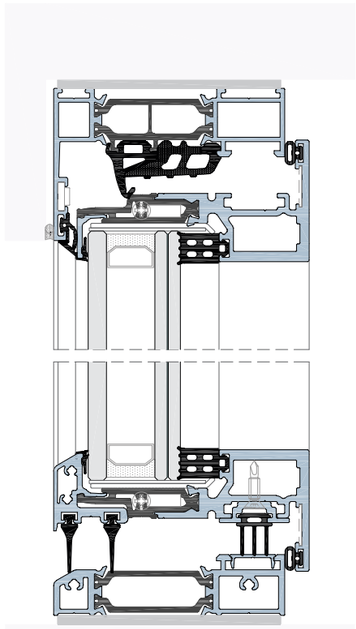
1:3

PORTA I 1 FOLHA

DOOR I 1 LEAF
PORTE I 1 VANTAIL







PORTA I 2 FOLHAS

DOOR I 2 LEAVES
PORTE I 2 VANTAUX



EXP R

For the execution of external glass balustrades for exterior or interior application, the EXP R system offers several configurations for hidden or visible aesthetics. With the possibility of incorporating laminated glass up to 20mm thick, the EXP R is a complementary solution that does not affect the fluidity of the user's view, guaranteeing safety and comfort but preventing visual barriers between the interior and the exterior.

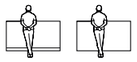
Pour l'exécution de balustrades vitrées extérieures d'application extérieure ou intérieure, le système EXP R offre plusieurs configurations pour une esthétique cachée ou visible. Avec la possibilité d'incorporer du verre feuilleté jusqu'à 20 mm d'épaisseur, l'EXP R est une solution complémentaire qui n'affecte pas la fluidité de la vue de l'utilisateur, garantissant sécurité et confort mais évitant les barrières visuelles entre l'intérieur et l'extérieur.

Para a realização de guardas exteriores de aplicação exterior ou interior, o sistema EXP R disponibiliza várias configurações de estética oculta ou visível. Com a possibilidade de incorporar vidros laminados até 20mm de espessura, o EXP R é uma solução complementar que não condiciona a fluidez da vista do utilizador, garantindo a segurança e conforto mas impedindo barreiras visuais entre o interior e o exterior.

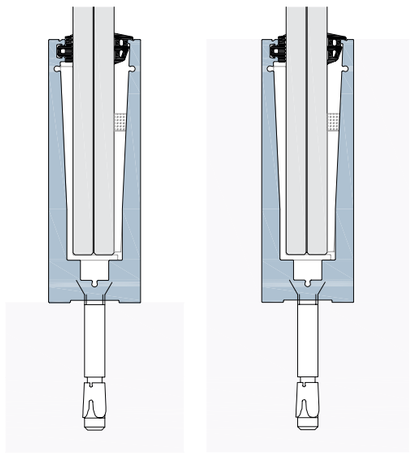
1

GUARDA FIXAÇÃO INFERIOR

BALUSTRADES BOTTOM FIXATION
GARDE CORPS FIXATION INFÉRIEURE







1:3

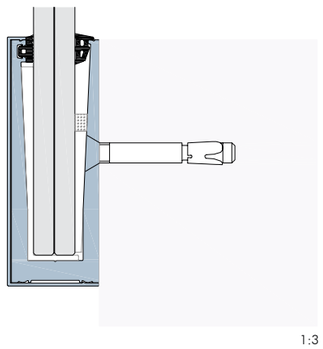
2

GUARDA FIXAÇÃO LATERAL

BALUSTRADES LATERAL FIXATION
GARDE CORPS FIXATION LATÉRALE







1:3

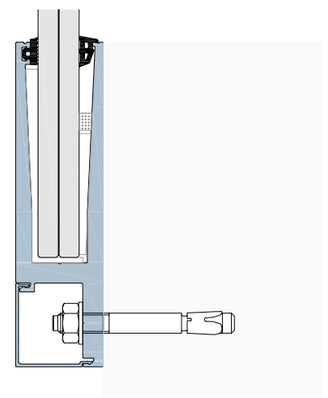
3

GUARDA FIXAÇÃO LATERAL COM CAPA

BALUSTRADES LATERAL FIXATION WITH COVER
GARDE CORPS FIXATION LATÉRALE AVEC CAPOT







1:3

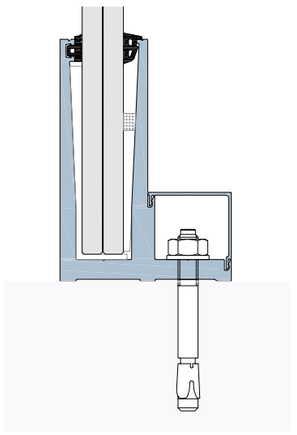
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GUARDA FIXAÇÃO INFERIOR COM CAPA

BALUSTRADES BOTTOM FIXATION WITH COVER
GARDE CORPS FIXATION INFÉRIEURE AVEC CAPOT







1:3

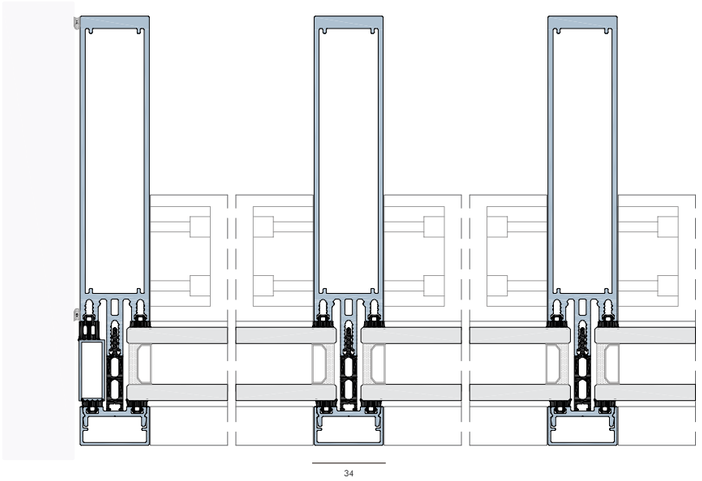


EXP F



O conceito EXPansion inclui uma solução de fachada de estética minimalista, o sistema EXP F. Os prumos com reduzida vista de apenas 34mm oferecem aos projectos de arquitectura a continuidade da sensação de ligação espacial entre o interior e o exterior proporcionada pelos sistemas RCN, permitindo a integração no edifício de vãos fixos, a incorporação de aberturas ou ainda de claraboia. Estão disponíveis várias profundidades de montantes e de travessas, permitindo a sua adaptação às necessidades e dimensões dos espaços onde se integram.





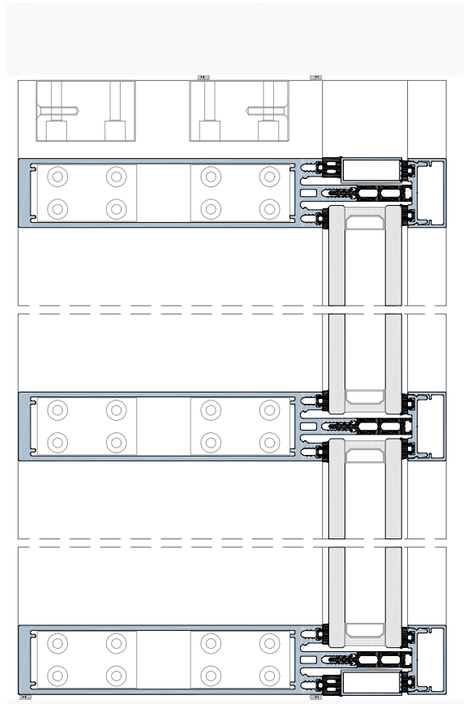
FACHADA MINIMALISTA

MINIMALIST CURTAIN WALL
MUR RIDEAU MINIMALISTE



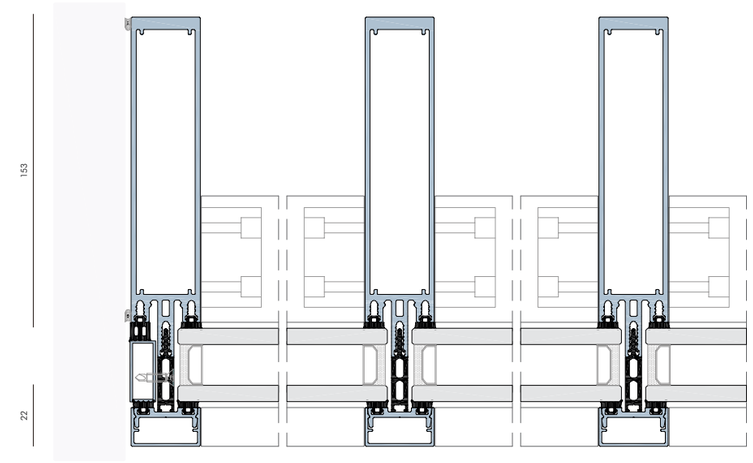
The EXPansion concept includes a curtain wall solution with a minimalist aesthetic, the EXP F system. The mullions with a reduced view of only 34mm offer architectural projects the continuity of the feeling of spatial connection between the interior and the exterior provided by the RCN systems, allowing the integration of fixed openings in the building, the incorporation of openings or even a skylight. Various depths of mullions and transoms are available, allowing them to be adapted to the needs and dimensions of the spaces where they are integrated.

Le concept EXPansion comprend une solution de mur-rideau à l'esthétique minimaliste, le système EXP F. Les montants avec une vue réduite de seulement 34 mm offrent aux projets architecturaux la continuité de la sensation de connexion spatiale entre l'intérieur et l'extérieur fournies par les systèmes RCN, permettant l'intégration d'ouvertures fixes dans le bâtiment, l'incorporation d'ouvertures ou même des éléments de toit. Différentes profondeurs de montants et traverses sont disponibles, permettant de les adapter aux besoins et aux dimensions des espaces où ils s'intègrent.



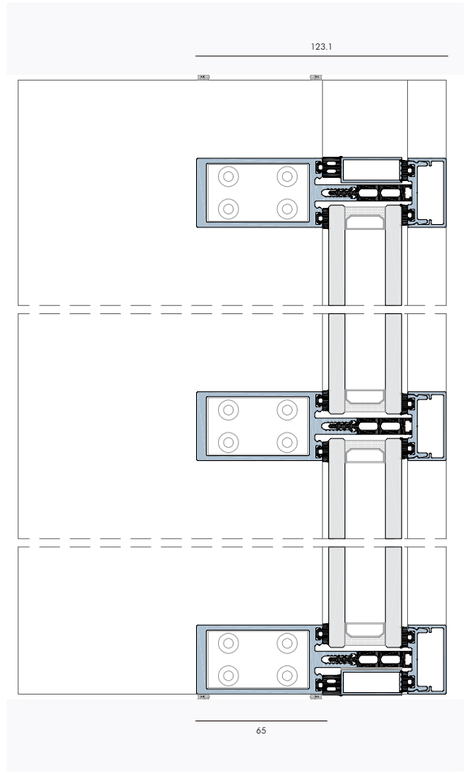
1:3





FACHADA MINIMALISTA

MINIMALIST CURTAIN WALL
MUR RIDEAU MINIMALISTE



1:3

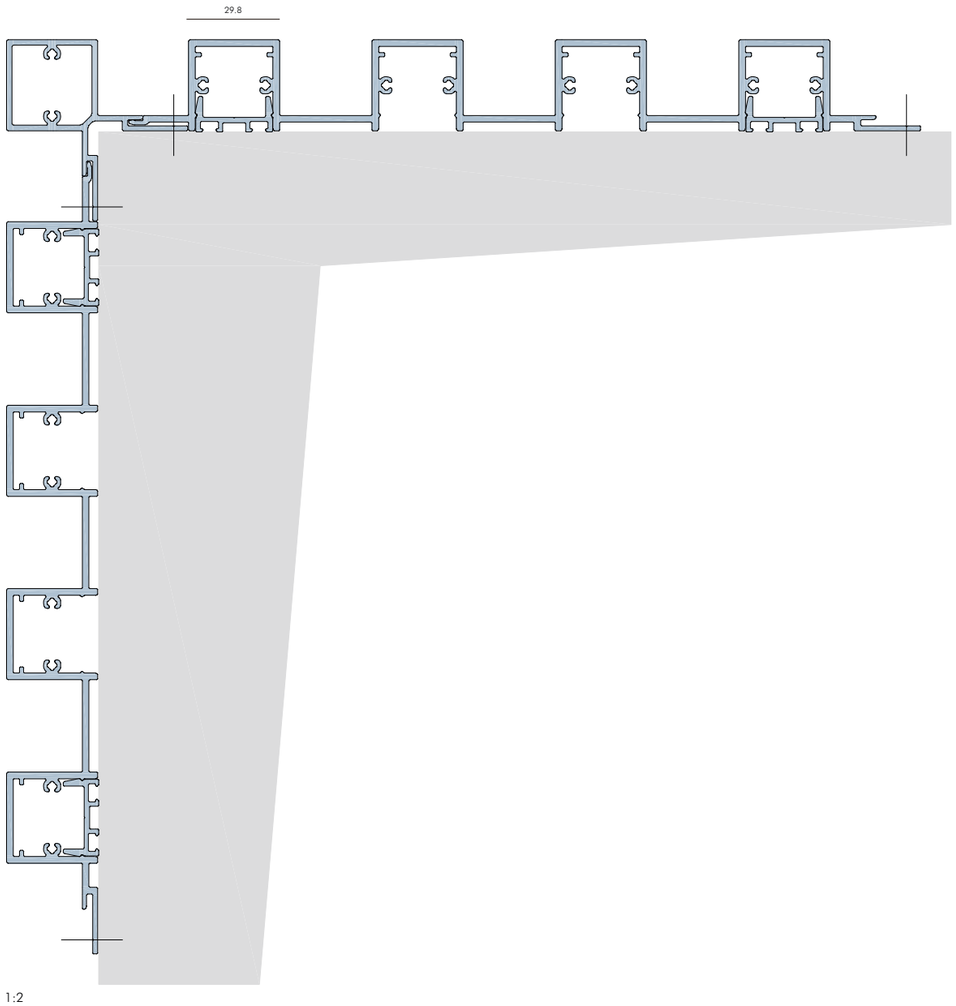


EXP
REV



REVESTIMENTO I TIPO 1

CLADDING I TYPE 1
REVÊTEMENT I TYPE 1

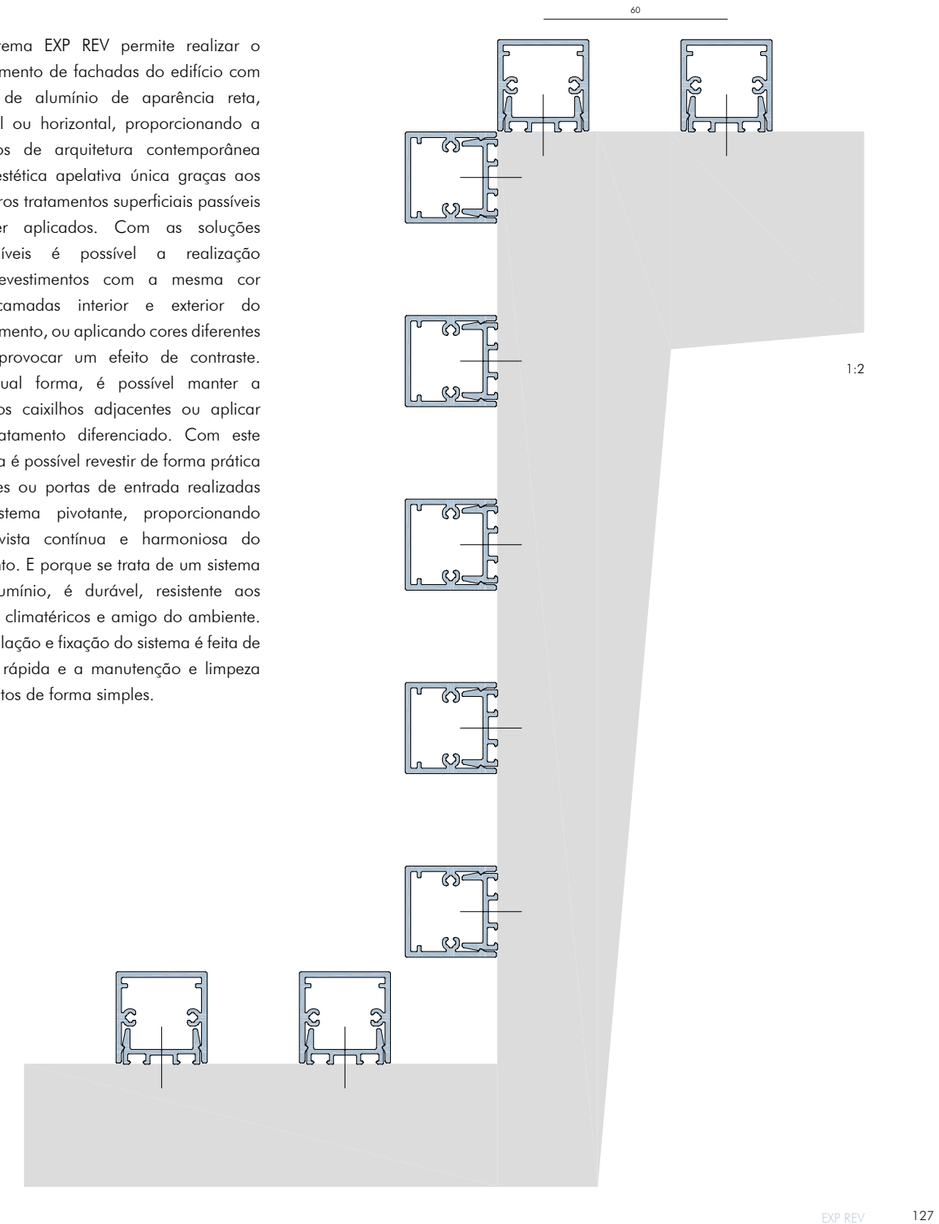


1:2

REVESTIMENTO I TIPO 2

CLADDING I TYPE 2
REVÊTEMENT I TYPE 2

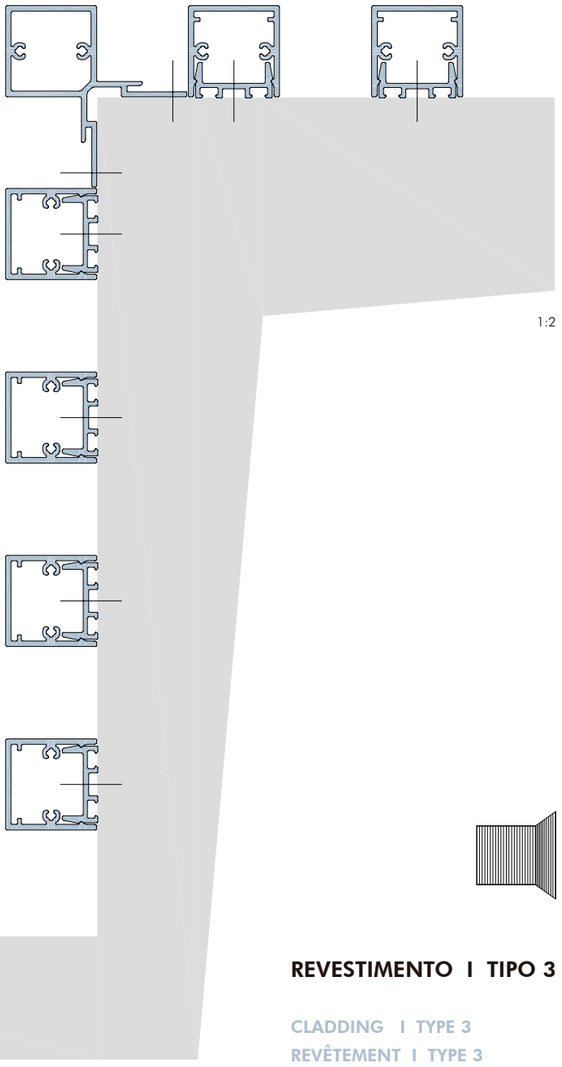
O sistema EXP REV permite realizar o revestimento de fachadas do edifício com perfis de alumínio de aparência reta, vertical ou horizontal, proporcionando a projetos de arquitetura contemporânea uma estética apelativa única graças aos inúmeros tratamentos superficiais passíveis de ser aplicados. Com as soluções disponíveis é possível a realização dos revestimentos com a mesma cor nas camadas interior e exterior do revestimento, ou aplicando cores diferentes para provocar um efeito de contraste. De igual forma, é possível manter a cor dos caixilhos adjacentes ou aplicar um tratamento diferenciado. Com este sistema é possível revestir de forma prática paredes ou portas de entrada realizadas no sistema pivotante, proporcionando uma vista contínua e harmoniosa do conjunto. E porque se trata de um sistema de alumínio, é durável, resistente aos efeitos climatéricos e amigo do ambiente. A instalação e fixação do sistema é feita de forma rápida e a manutenção e limpeza são feitos de forma simples.



1:2

The EXP REV system allows the cladding of building facades with straight, vertical or horizontal aluminum profiles, providing contemporary architectural projects with a unique aesthetic appeal thanks to the numerous surface treatments that can be applied. With the available solutions, it is possible to make the coatings with the same color on the inner and outer layers of the cladding, or by applying different colors to create a contrasting effect. Likewise, it is possible to keep the color of the adjacent frames or apply a different treatment. With this system it is possible to practically cover walls or entrance doors made using the pivoting system EXP PIV, providing a continuous and harmonious view of the whole. And because it is an aluminum system, it is durable, weather resistant and environmentally friendly. The installation and fixing of the system are done quickly and maintenance and cleaning are made simple.

Le système EXP REV permet le revêtement de façades de bâtiments avec des profilés en aluminium de ligne droit, verticaux ou horizontaux, offrant aux projets architecturaux contemporains une esthétique unique grâce aux nombreux traitements de surface pouvant être appliqués. Avec les solutions disponibles, il est possible de réaliser les revêtements avec la même couleur sur les couches intérieure et extérieure du revêtement, ou en appliquant des couleurs différentes pour créer un effet contrasté. De même, il est possible de conserver la couleur des cadres adjacents ou d'appliquer un traitement différent. Avec ce système, il est possible de couvrir pratiquement les murs ou les portes d'entrée réalisés à l'aide du système pivotant EXP PIV, offrant une vue continue et harmonieuse de l'ensemble. Et comme il s'agit d'un système en aluminium, il est durable, résistant aux intempéries et respectueux de l'environnement. L'installation et la fixation du système se font rapidement et l'entretien et le nettoyage sont simplifiés.

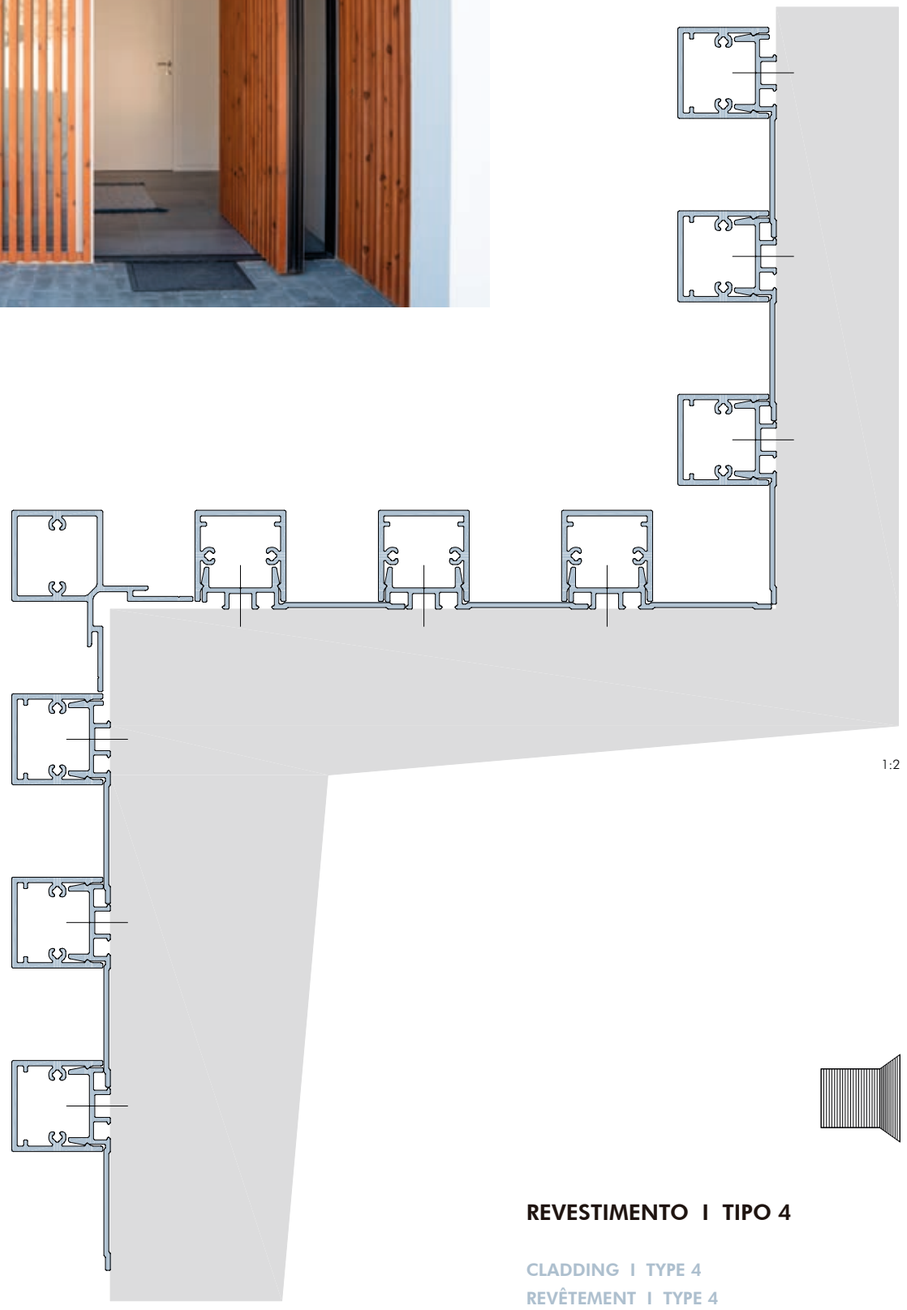


1:2

REVESTIMENTO I TIPO 3

CLADDING I TYPE 3
REVÊTEMENT I TYPE 3





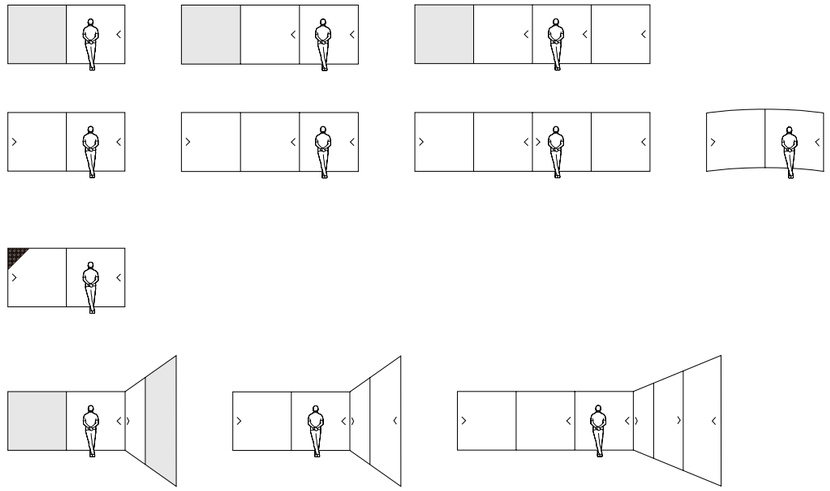
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REVESTIMENTO I TIPO 4

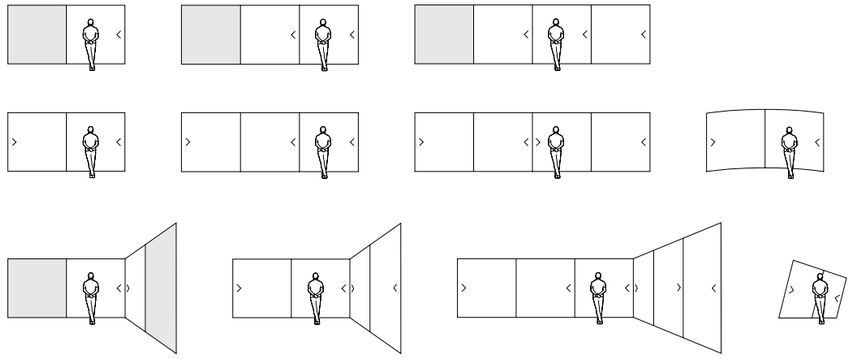
CLADDING I TYPE 4
REVÊTEMENT I TYPE 4

SOLUÇÕES RCN
RCN SOLUTIONS

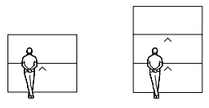
EXP 36



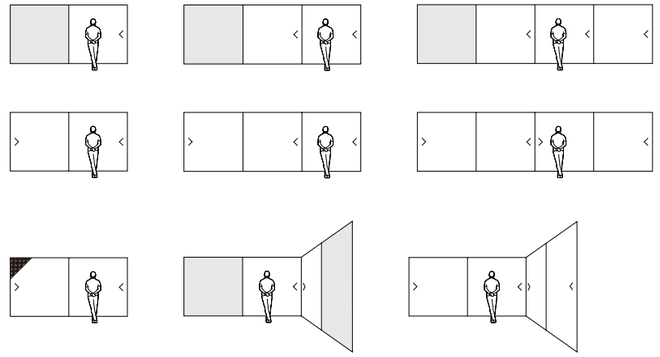
EXP 54



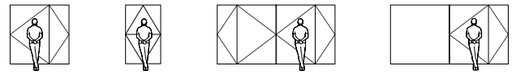
EXP G



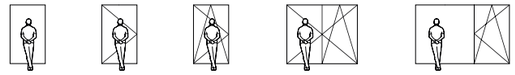
EXP 24



EXP PIV



EXP X



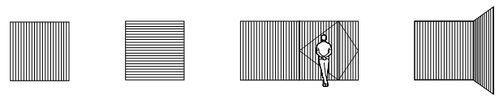
EXP R



EXP F



EXP REV





“PARA OS MERECEDORES DA NOSSA FORÇA”

“FOR THE DESERVERS OF OUR STRENGTH”

“POUR LES MÉRITANTS DE NOTRE FORCE”

BY RCN



Project I Group Ceyssens
Architect I Moyson Derveaux
Photographie I The Art of Living Magazine, YANNICK MILPAS

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