

FC

sistema de fachadas ligeiras
curtain wall system
système de mur-rideau



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CATÁLOGO TÉCNICO

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Projeto Trulsbrunnvagen | Suécia | RealEstelligence | FC-Estrutural



Piscinas Municipais | Estarreja | Rui Rosmaninho, Arq | Fc-Semi-oculta

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Sistema com grande versatilidade funcional que permite dar resposta às mais exigentes estruturas arquitetónicas. Com a fiabilidade estrutural assumida, são oferecidas várias imagens de apresentação que vão ao encontro das necessidades do mercado:

Great functional versatility system which allows an answer to the most demanding architectural structures. Together with the structural reliability, several aspects are offered to meet the needs of the market

Système avec grand adaptabilité fonctionnelle qui permet donner réponse aux structures architecturales plus exigeantes. Avec une fiabilité structurelle assumée, sont offerts plusieurs images de présentation qui répondent aux besoins du marché

FC Estrutural | Capped curtain wall | Mur rideau trame traditionelle

A variante FC Estrutural transcreve toda a imponéncia do sistema através de vistas bem marcadas. Aliada à robustez estética existe ainda a mais valia da rutura térmica proporcionada por este sistema.

The FC Capped curtain wall version transmits all the majesty of the system through well marked views. Together with the aesthetic robustness, there is also the added value of the thermal break provided by this system.

La version FC Mur rideau trame traditionnelle transmet toute la grandeur du système à travers des vues bien marquées. A la robustesse esthétique s'ajoute la valeur ajoutée de la rupture thermique apportée par ce système.



CAPAS	Vistas retas ou redondas em montantes e travessas
COVER CAPS	Straight or round views on mullions and transomes
COUVERTURES	Vues droite ou arrondie dans les montants et traverses
ENCHIMENTO	De 12 a 47mm
FILLING	From 12 to 47mm
REmplissage	De 12 à 47mm
ABERTURAS	Batente (int./ext.) com perfil visível Projectantes, com caixilho móvel (oculto pelo exterior)
OPENINGS	Side-hung (in/out) with visible profile Awning with mobile frame (concealed from outside)
OUVERTURES	À frappe (int./ext.) avec profilé visible À l'italienne, avec cadre ouvrant (caché par l'extérieur)
PESO MÁXIMO	150Kg/folha (Janela projetante)
MAXIMUM WEIGHT	150Kg /sash (Awning opening)
POIDS MAXIMAL	150Kg /vantail (Fenêtre à l'italienne)

FC Horizonte | Horizon capped curtain wall | Mur rideau trame horizontale

Quando o objetivo passa por marcar a horizontalidade, esta vertente do sistema FC responde na perfeição às solicitações, conferindo um toque de elegância ao resultado final.

When the aim is to mark the horizontality, this version of the FC system responds perfectly to the requests, giving a touch of elegance to the final result.

Lorsque l'objectif est de souligner l'horizontalité, cette version du système FC répond parfaitement à ces demandes, en ajoutant une touche d'élegance au résultat final.

CAPAS	Decorativas, horizontal contínuas
COVER CAPS	Decorative, horizontal continuous
COUVERTURES	Décorative, horizontale continues
ENCHIMENTO	24mm 28mm 30mm 32mm
FILLING	24mm 28mm 30mm 32mm
REmplissage	24mm 28mm 30mm 32mm
VEDAÇÃO	Junta vertical em EPDM
SEALING	EPDM vertical joints
SCELLEMENT	Joint vertical en EPDM
ABERTURAS	Projetantes, com caixilho móvel (oculto pelo exterior)
OPENINGS	Awning with mobile frame (concealed from outside)
OUVERTURES	À l'italienne, avec cadre ouvrant (caché par l'extérieur)
PESO MÁXIMO	150Kg/folha (Janela projetante)
MAXIMUM WEIGHT	150Kg /sash (Awning opening)
POIDS MAXIMAL	150Kg /vantail (Fenêtre à l'italienne)

Todas as medidas são consideradas em mm, salvo as devidamente identificadas

All measurements are considered in mm, except those duly identified

Toutes les mesures sont considérées en mm sauf celles qui sont dûment identifiées



FC Semi Oculta | VEB curtain wall | Mur rideau V.E.P.

Apesar de uma grande volumetria estrutural, a variante FC Semi-Oculta confere uma imagem esbelta aos edifícios, marcada com uma frente inferior a 20mm de perfil. Aliada à simplicidade estética existe ainda a mais valia opcional da ruptura térmica proporcionada por este sistema.

Despite a large structural volumetry, the FC VEB wall variant gives a slim image to the buildings, marked with a front less than 20mm of profile. Allied to the aesthetic simplicity there is also the optional added value of the thermal break provided by this system.

Malgré une volumétrie structurelle importante, la variante FC Mur rideau VEP donne une image élancée aux bâtiments, marquée par une façade de moins de 20mm de profil. En plus de la simplicité esthétique, il y a aussi la valeur ajoutée optionnelle de la rupture thermique fournie par ce système.

VISTAS	Vistas visíveis pelo exterior de 12mm 20mm ou 22mm
VIEW	12mm, 20mm or 22mm visible views from outside
VUES	Vues de 12mm, 20mm ou 22mm visibles par l'extérieur
ENCHIMENTO	De 6 a 28mm
FILLING	From 6 to 28mm
REMPLEISSAGE	De 6 à 28mm
ABERTURAS	Projetantes
OPENINGS	Awning
OUVERTURES	À l'italienne
PESO MÁXIMO	150Kg/folha (Janela projetante)
MAXIMUM WEIGHT	150Kg /sash (Awning opening)
POIDS MAXIMAL	150Kg /vantail (Fenêtre à l'italienne)

FC Oculta | VEP curtain wall | Mur rideau V.E.C.

A FC Oculta é a perfeita simbiose entre a estrutura de alumínio e a transparência do vidro, atingindo a sua plenitude com a ocultação da perfilaria exterior.

The FC VEP curtain wall is the perfect symbiosis between the aluminium structure and the transparency of the glass, reaching its fullness with the concealment of the external profiling.

Le système FC Mur rideau VEC est la parfaite symbiose entre la structure en aluminium et la transparence du verre, qui atteint sa plénitude avec la dissimulation du profilage extérieur.

VISTAS	Sem vistas pelo exterior
VIEW	No views from outside
VUES	Pas de vue par l'extérieur
ENCHIMENTO	6mm 24mm 30mm 32mm - Outros enchimentos, contatar Departamento Técnico
FILLING	6mm 24mm 30mm 32mm - For others fillings, contact Technical Department
REMPLEISSAGE	6mm 24mm 30mm 32mm - Pour d'autres remplissages, contacter le département technique.
ABERTURAS	Projetantes
OPENINGS	Awning
OUVERTURES	À l'italienne
PESO MÁXIMO	150Kg/folha (Janela projetante)
MAXIMUM WEIGHT	150Kg /sash (Awning opening)
POIDS MAXIMALE	150Kg /vantail (Fenêtre à l'italienne)

FC-DEC | Structural glazing curtain wall with mechanical fixing | Mur rideau en verre structurel avec fixation mécanique

O sistema FC DEC é um sistema de fachada constituído por uma estrutura reticulada de montantes e travessas onde acomoda vidros fixos ou janelas projetantes. O seu aspecto aparenta ser um sistema de vidro colado, mas os vidros são fixos mecanicamente aos elementos da composição. O sistema recebe vidros produzidos através de um conjunto de características próprias que permite essa fixação, com a mesma garantia de segurança e integridade do sistema tradicional com tampas.

The FC DEC system is a façade system consisting of a lattice structure of mullions and transoms that holds fixed glazing or awning windows. Its appearance appears to be a glued glass system, but the glasses are mechanically fixed to the elements of the structure. The system receives glass produced by a set of specific characteristics that allows this fixing, with the same guarantee of safety and integrity as the traditional system with covers.

Le système FC DEC est un système de façade constitué d'une structure en treillis de montants et d'impostes qui accueille un vitrage fixe ou fenêtres à l'italienne. Son apparence est celle d'un système de verre collé, mais le verre est fixé mécaniquement aux éléments de la composition. Le système reçoit des verres produits au moyen d'un ensemble de caractéristiques spécifiques qui permettent cette fixation, avec la même garantie de sécurité et d'intégrité que le système traditionnel avec des couvertures.

VISTAS	Sem vistas pelo exterior
VIEW	No views from outside
VUES	Pas de vue par l'extérieur
ENCHIMENTO	Vidro exterior External glass Verre extérieur - 8mm 10mm
FILLING	Espaçador de vidro External glazing Verre extérieur - 16mm
REMPLEISSAGE	Vidro interior Internal glass Verre intérieur - 6mm 8mm 10mm
PESO MÁXIMO	Com União UT27 With UT27 Union Avec Union UT27 - 150Kg/vidro glass verre
MAXIMUM WEIGHT	Com União UT2807 With UT2807 Union Avec Union UT2807 - 350Kg/vidro glass verre
POIDS MAXIMAL	Com União UT27 With UT27 Union Avec Union UT27 - 150Kg/vidro glass verre



DESEMPENHO DO SISTEMA FC

system performance | performance du système

Dimensão das fachadas ensaiadas - **5110mm x 6250mm** (LxH)

Dimension of tested facades (WxH) | Dimension des façades testées (LxH)

Fachada Estrutural e Fachada Horizonte

Capped curtain wall and Horizon capped curtain wall | Mur-rideau traditionelle et Mur-rideau trame horizontale

	1 Projetante + 1 Oscilo-batente 1 awning frame + 1 Tilt and turn frame 1 vantail à l'italienne + 1 vantail Oscillo-battant	Vão Fixo Fixed frame Cadre fixe
Permeabilidade ao AR (UNE-EN 12153:2000) AIR Permeability Permeabilité à l'AIR	A3	A4
Estanquidade à ÁGUA (UNE-EN 12155:2000) WATER Tightness Étanchéité à l'EAU	RE 1050	RE 1500
Resistência ao VENTO (UNE-EN 12179:2001) WIND Resistance Résistance au VENT	APTO (1500Pa) ABLE CAPABLE	APTO (1500Pa) ABLE CAPABLE
Coef. Transm. TÉRMICA (UNE-ISO 13947:2005) THERMAL Transmittance Coef. Transm. THERMIQUE	$Uw = 1,43 \text{ W/m}^2\text{K}$ $Ug = 1,3 \text{ W/m}^2\text{K}$	

Fachada Semi-Oculta

VEB curtain wall | Mur-rideau VEP

	1 Projetante 1 awning frame 1 vantail à l'italienne	Vão Fixo Fixed frame Cadre fixe
Permeabilidade ao AR (UNE-EN 12153:2000) AIR Permeability Permeabilité à l'AIR	AE750 (Especial) (Special Spécial)	AE750 (Especial) (Special Spécial)
Estanquidade à ÁGUA (UNE-EN 12155:2000) WATER Tightness Étanchéité à l'EAU	RE 1500	RE 1500
Resistência ao VENTO (UNE-EN 12179:2001) WIND Resistance Résistance au VENT	APTO (1500Pa) ABLE CAPABLE	APTO (1500Pa) ABLE CAPABLE
Coef. Transm. TÉRMICA (UNE-ISO 13947:2005) THERMAL Transmittance Coef. Transm. THERMIQUE	$Uw = 1,45 \text{ W/m}^2\text{K}$ $Ug = 1,3 \text{ W/m}^2\text{K}$	

Fachada Oculta

VEB curtain wall | Mur-rideau VEC

	1 Projetante 1 awning frame 1 vantail à l'italienne	Vão Fixo Fixed frame Cadre fixe
Permeabilidade ao AR (UNE-EN 12153:2000) AIR Permeability Permeabilité à l'AIR	AE750 (Especial) (Special Spécial)	AE750 (Especial) (Special Spécial)
Estanquidade à ÁGUA (UNE-EN 12155:2000) WATER Tightness Étanchéité à l'EAU	RE 1500	RE 1500
Resistência ao VENTO (UNE-EN 12179:2001) WIND Resistance Résistance au VENT	APTO (1500Pa) ABLE CAPABLE	APTO (1500Pa) ABLE CAPABLE
Coef. Transm. TÉRMICA (UNE-ISO 13947:2005) THERMAL Transmittance Coef. Transm. THERMIQUE	$Uw = 1,43 \text{ W/m}^2\text{K}$ $Ug = 1,3 \text{ W/m}^2\text{K}$	

Resistência às cargas vivas horizontais
Fachada - 5110m x 6250mm
UNE-EN 1991-1-1:2003
Resistance to horizontal loads
Façade - 5110 x 6250mm
Résistance aux charges horizontales vivantes
Façade - 5110 x 6250mm

Resistência ao Impacto
Fachada - 2500mm x 2500mm
UNE-EN 14019:2004 (Fachadas)
UNE-EN 13049:2003 (Janelas)
Impact resistance
Façade - 5110mm x 6250mm
Résistance au choc
Façade - 5110mm x 6250mm

Resistência ao Peso Próprio
Fachada - 2490mm x 1200mm
UNE-EN 13830:2004
Resistance own weight
Façade - 2490mm x 1200mm
Résistance au propre poids
Façade - 2490mm x 1200mm

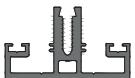
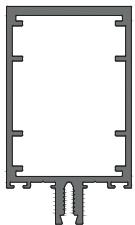
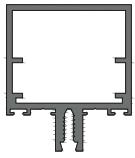
Fachada Estrutural Capped curtain wall Mur-rideau traditionelle	APTO (1500Pa) ABLE CAPABLE	IS	$1,08 \text{ KN}$ flecha máxima 3mm maximum deflection flèche maximale
Fachada Semi-Oculta VEB curtain wall Mur-rideau VEP			
Fachada Oculta VEB curtain wall Mur-rideau VEC			



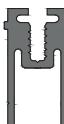
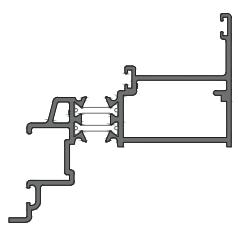
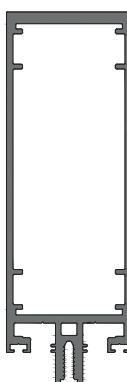
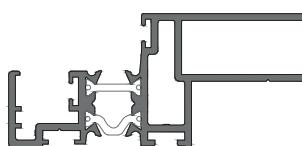
Pista BMX Anadia | Anadia | Arqº. Rafael Fernandes | FC-Semi-oculta



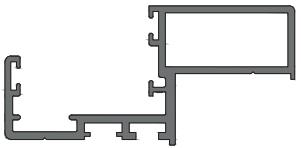
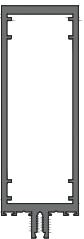
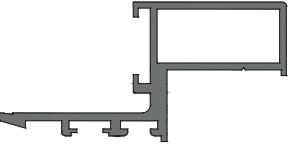
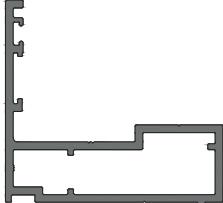
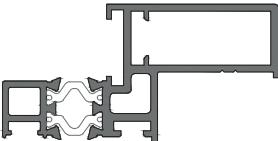
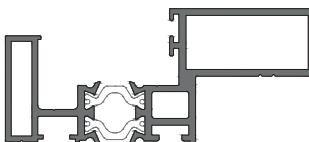
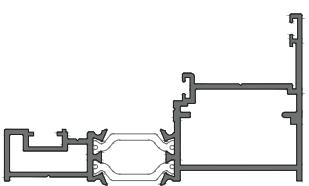
LISTAGEM DE PERFIS PROFILES LIST | LISTE DES PROFILÉS

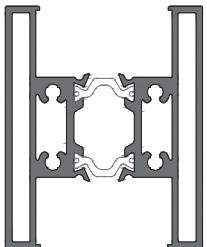
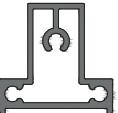
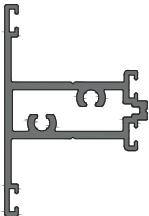
Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 00 Perfil complementar Complementary profile Profilé complémentaire		55x32.5	
FC 01 Montante Mullion Montant		55x80	$I_x = 103.0$ $I_y = 38.5$
FC 02 Montante Mullion Montant		55x48.5	$I_x = 28.0$ $I_y = 24.8$
FC 04 Suporte para capa Cap bracket Porte-couverture		51.7x8.3	
FC 05 Capa Cap Capot		55x16	
FC 06 Capa Cap Capot		55x16	
FC 07 Perfil para uniões Unions profile Profilé pour les unions		46x29.5	
FC 08 Perfil de remate lateral/junta dilatação/ângulos Lateral finishing profile/expansion joint/angles Profilé de finition lateral/joint de dilatation/angles.		29.5x46	$I_x = 104.16$ $I_y = 4.99$
FC 09 Perfil complementar Complementary profile Profilé complémentaire		17.3x36.5	
FC 11 Capa Cap Capot		29.8x37.4	

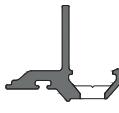
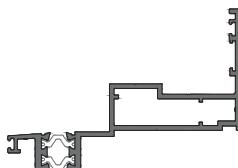
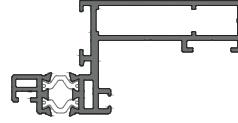
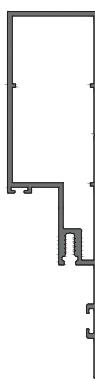
Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 12 Bite Glazing bead Parclose		21.4x14	
FC 14 Perfil para quadros Frames profile profilé pour cadres		69x36.8	
FC 15 Perfil para quadros Frames profile profilé pour cadres		60.5x36.8	
FC 20 Perfil complementar Complementary profile Profilé complémentaire		24x6,5	
FC 22 Capa Cap Capot		55x43.5	
FC 23 Perfil para quadros Frames profile profilé pour cadres		60.5x36.8	
FC 24 Montante Mullion Montant		55x120	$I_x = 277$ $I_y = 55.2$
FC 25 Capa Cap Capot		80x55	

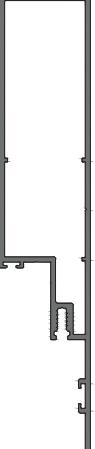
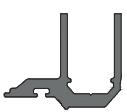
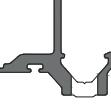
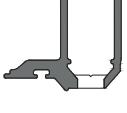
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FC 26 Perfil complementar para ângulos Complementary profile for angles Profilé complémentaire pour les angles		24x34.5	
FC 28 Perfil de remate lateral/junta dilatação/ângulos Lateral finishing profile/expansion joint/angles Profilé de finition lateral/joint de dilatation/angles		22.5x80	$I_x = 63.6$ $I_y = 4.97$
FC 30 Perfil complementar Complementary profile Profilé complémentaire		17.7x31.5	
FC 31 Perfil de remate Finishing profile Profilé de finitions		73.5x69	
FC 34 Montante Mullion Montant		55x150	$I_x = 524.3$ $I_y = 73.0$
FC 35 Perfil para quadros Frames profile profilé pour cadres		80x36.8	

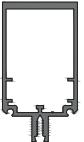
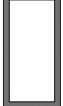
Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 36 Capa Cap Capot		55x52	
FC 38 Perfil de remate Finishing profile Profilé de finitions		74x35.3	
FC 39 Capa Cap Capot		140x55	
FC 40 Montante Mullion Montant		55x200	$I_x = 1135.4$ $I_y = 101.0$
FC 42 Perfil canto 90° 90° Corner profile Profilé d'angle 90°		57.3x56.9	
FC 44 Montante Mullion Montant		55x250	$I_x = 2228.9$ $I_y = 132.9$

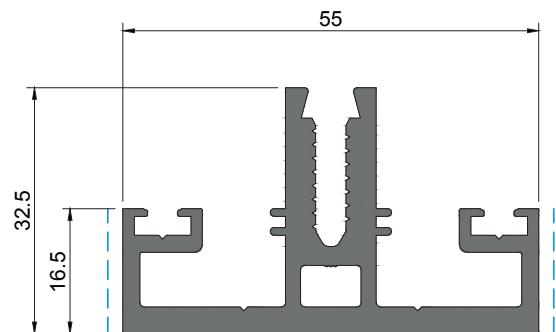
Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 45 Perfil para quadros Frames profile profilé pour cadres		76.6x36.8	
FC 47 Montante Mullion Montant		55x150	I _x = 610.4 I _y = 90.9
FC 54 Perfil para quadros Frames profile profilé pour cadres		76x36.8	
FC 63 Aro fixo - Para FC Fixed frame - For FC Cadre dormant - Pour FC		57.5x53.4	
FC 64 Aro móvel Mobile frame Cadre ouvrant		73x36.7	
FC 65 Aro móvel Mobile frame Cadre ouvrant		81.9x36.7	
FC 66 Aro fixo Fixed frame Cadre dormant		87.4x49	

Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 67 Travessa Transom Traverse		52.1x64	
FC 68 Perfil para quadriculas Glass grid profile Profilé pour grilles de verre		30x29.4	
FC 69 Travessa Transom Traverse		37.7x56	
FC 70 Perfil de fixação de vidro Glass fixing profile Profilé de collage du verre		28.9x11.3	
FC 71 Perfil de fixação de vidro Glass fixing profile Profilé de collage du verre		30.6x8.5	
FC 72 Perfil de fixação de vidro Glass fixing profile Profilé de collage du verre		28.9x11.3	
FC 73 Perfil de fixação de vidro Glass fixing profile Profilé de collage du verre		30.6x8.5	
FC 74 Perfil de fixação de vidro Glass fixing profile Profilé de collage du verre		30.6x11.8	
FC 75 Perfil de fixação de vidro Glass fixing profile Profilé de collage du verre		30.6x11.8	

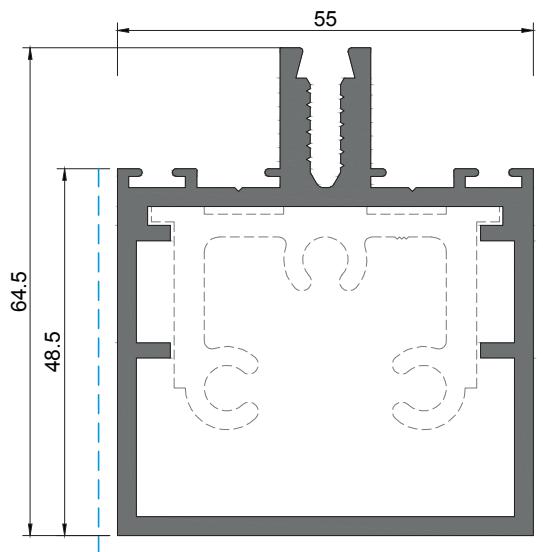
Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 76 Perfil fixador de quadro Frame fixing profile Profilé pour fixation des cadres		30.6x25.3	
FC 77 Perfil fixador de quadro Frame fixing profile Profilé pour fixation des cadres		30.6x25.3	
FC 78 Aro fixo - Para FC-DEC Fixed frame - For FC-DEC Cadre dormant - Pour FC-DEC		102.3x71	
FC 79 Aro móvel - Para FC-DEC Mobile frame - For FC-DEC Cadre ouvrant - Pour FC-DEC		94.5x45.3	
FC 81 Perfil de remate Finishing profile Profilé de finitions		40x130.1	
FC 82 Perfil de remate Finishing profile Profilé de finitions		40x161.6	

Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
FC 44 Montante Mullion Montant		40x201.6	
FC 85 Perfil de fixação/remate Fixing/finishing profile Profilé de fixation/finition		30.6x28.6	
FC 86 Perfil de fixação/remate Fixing/finishing profile Profilé de fixation/finition		30.9x25.3	
FC 87 Perfil de fixação/remate Fixing/finishing profile Profilé de fixation/finition		30.6x28.6	
FC 88 Perfil de fixação/remate Fixing/finishing profile Profilé de fixation/finition		30.9x25.3	
FC 99 Perfil complementar Complementary profile Profilé complémentaire		47.6x230	$I_x = 7.7$ $I_y = 1145.5$
V 27 Capa Cap Capot		87x20.7	
V 30 Perfil para ângulos Profile for angles Profilé pour les angles		10.5x9.7	

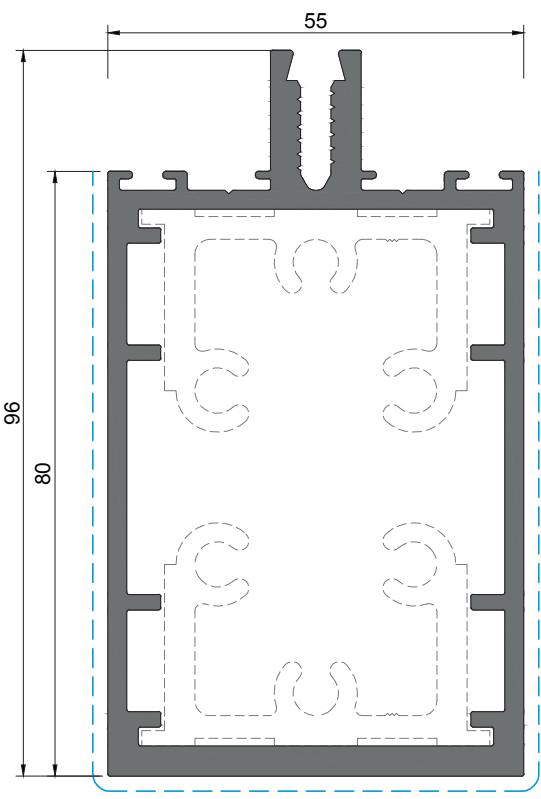
Referência Reference Référence	Perfil Profile Profilé	Dimensões Dimensions Dimensions (xmm x ymm)	Inércia Inertia Inertie (cm ⁴)
V 31 Montante Mullion Montant		55x83.7	$I_x = 125.17$ $I_y = 39.53$
TL 26 Perfil de remate Finishing profile Profilé de finitions		14.4x10.6	
KE 51 Perfil complementar Complementary profile Profilé complémentaire		215x35	
KE 52 Perfil complementar Complementary profile Profilé complémentaire		260x35	
KL 20 Perfil complementar Complementary profile Profilé complémentaire		20x20	
KL 27 Perfil complementar Complementary profile Profilé complémentaire		25x25	
KP 32 Perfil complementar Complementary profile Profilé complémentaire		15x30	$I_x = 1.41$ $I_y = 0.45$
KP 40 Perfil complementar Complementary profile Profilé complémentaire		40x3	
KP 41 Perfil complementar Complementary profile Profilé complémentaire		40x4	
KP 60 Perfil complementar Complementary profile Profilé complémentaire		15x60	$I_x = 8.48$ $I_y = 0.86$
SA 33 Perfil complementar Complementary profile Profilé complémentaire		19.5x4.4	



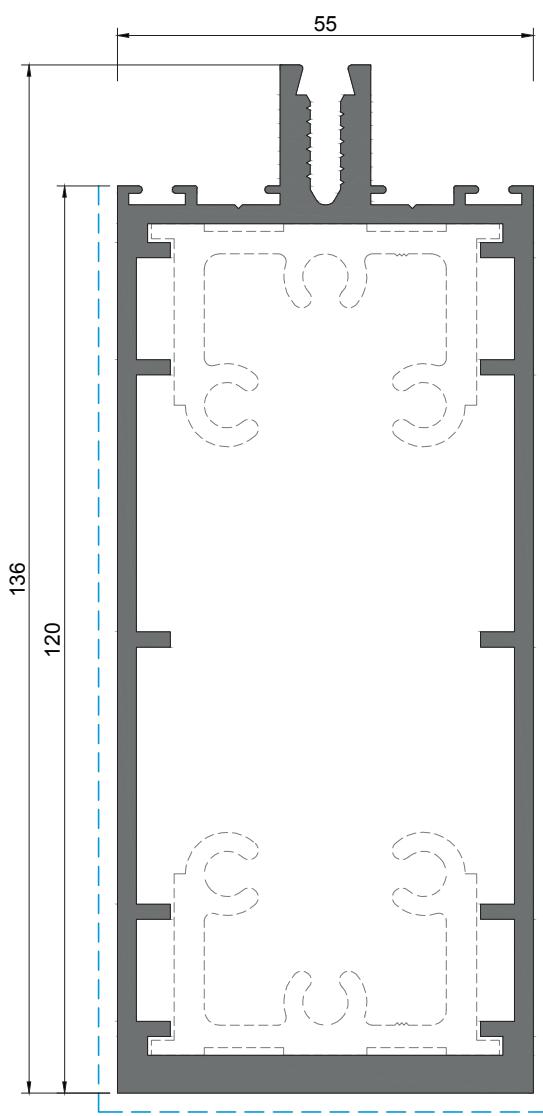
FC 00
Montante
Mullion | Montant



FC 02
Montante
Mullion | Montant



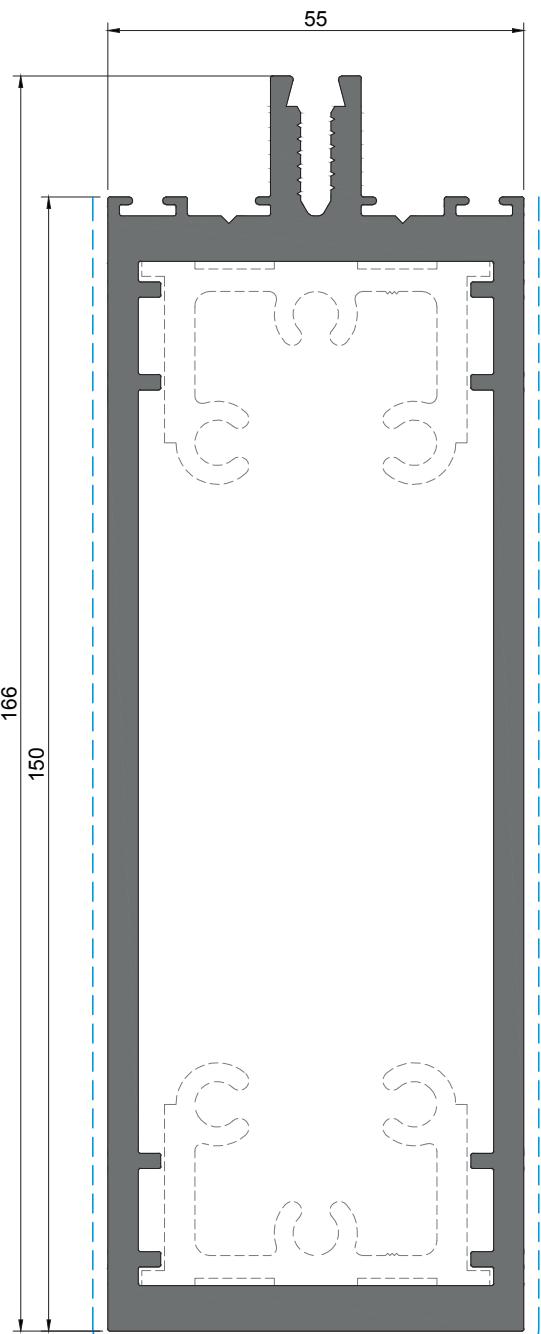
FC 01
Montante
Mullion | Montant



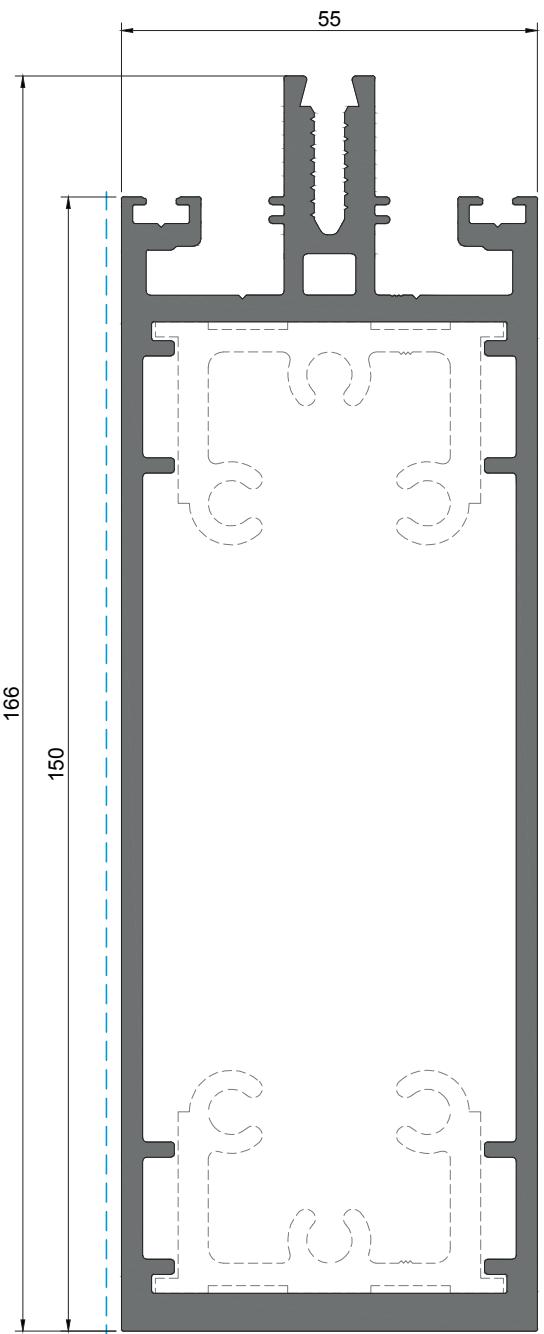
FC 24
Montante
Mullion | Montant

Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EEF | EM | PB | EEF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

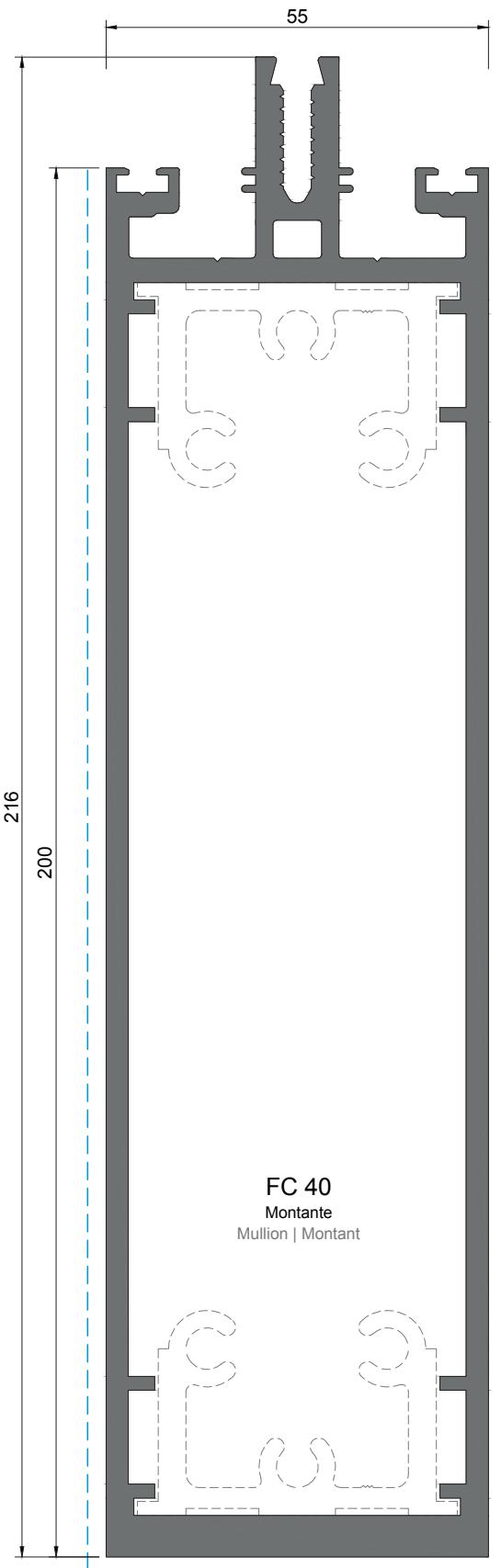
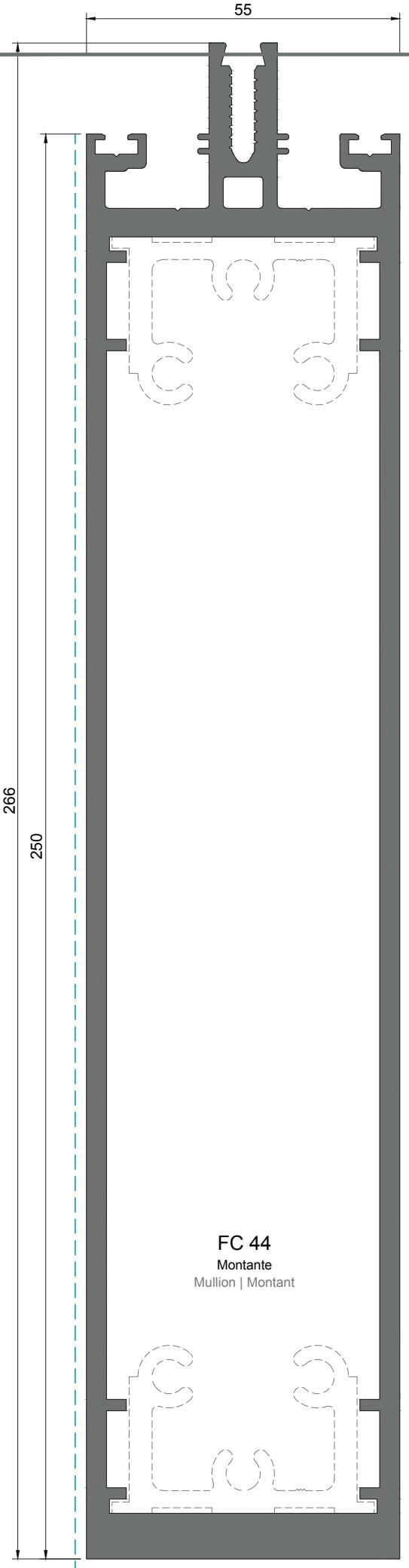
Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EEF | EM _____ PB | EEF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



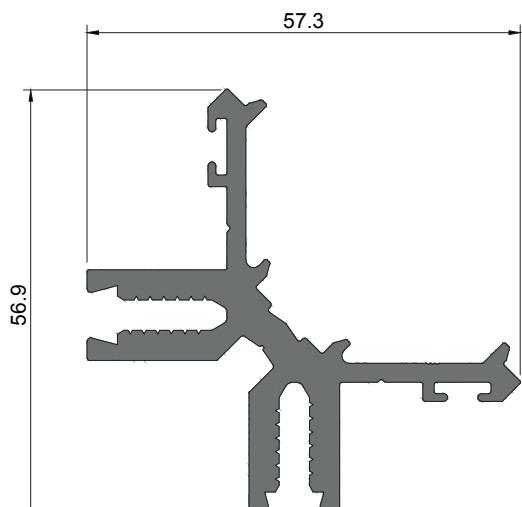
FC 47
Montante
Mullion | Montant



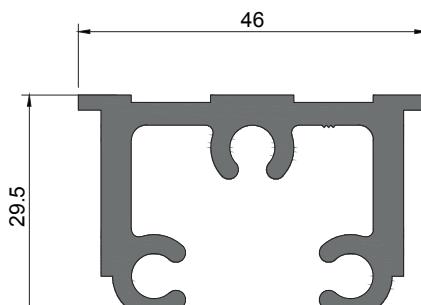
FC 34
Montante
Mullion | Montant



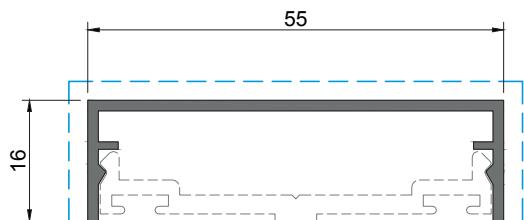
Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EEF | EM _____ PB | EEF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



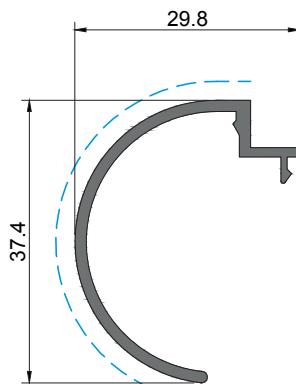
FC 42
Perfil canto 90°
90° Corner profile | Profilé d'angle 90°



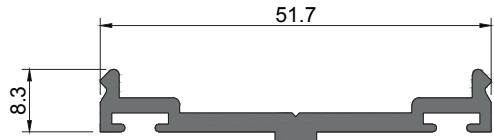
FC 07
Perfil para uniões
Unions profile | Profilé pour les unions



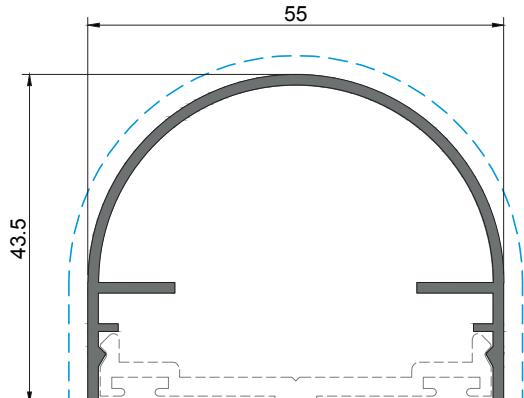
FC 05
Capa
Cap | Capot



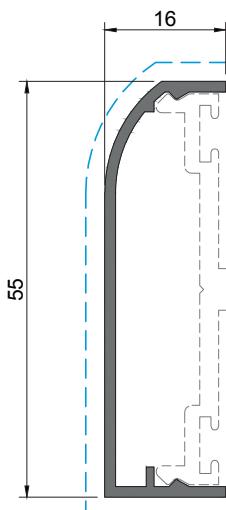
FC 11
Capa
Cap | Capot



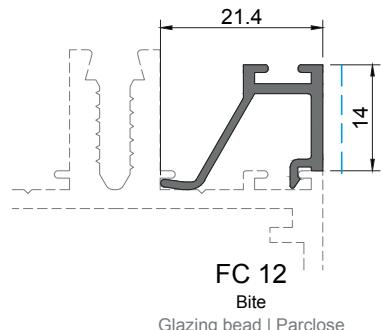
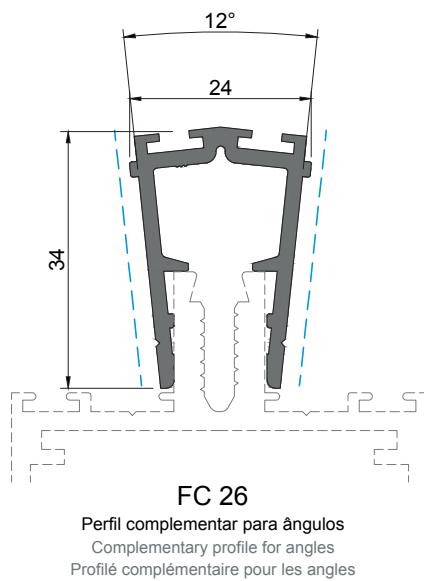
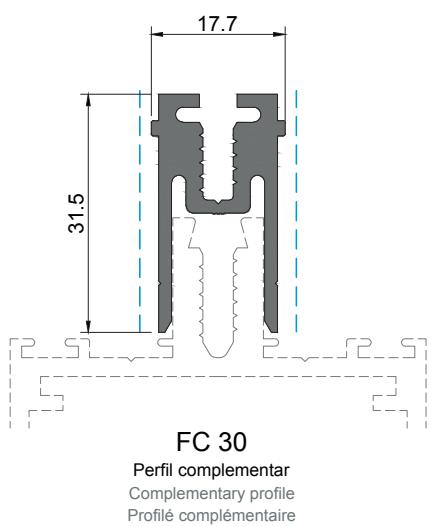
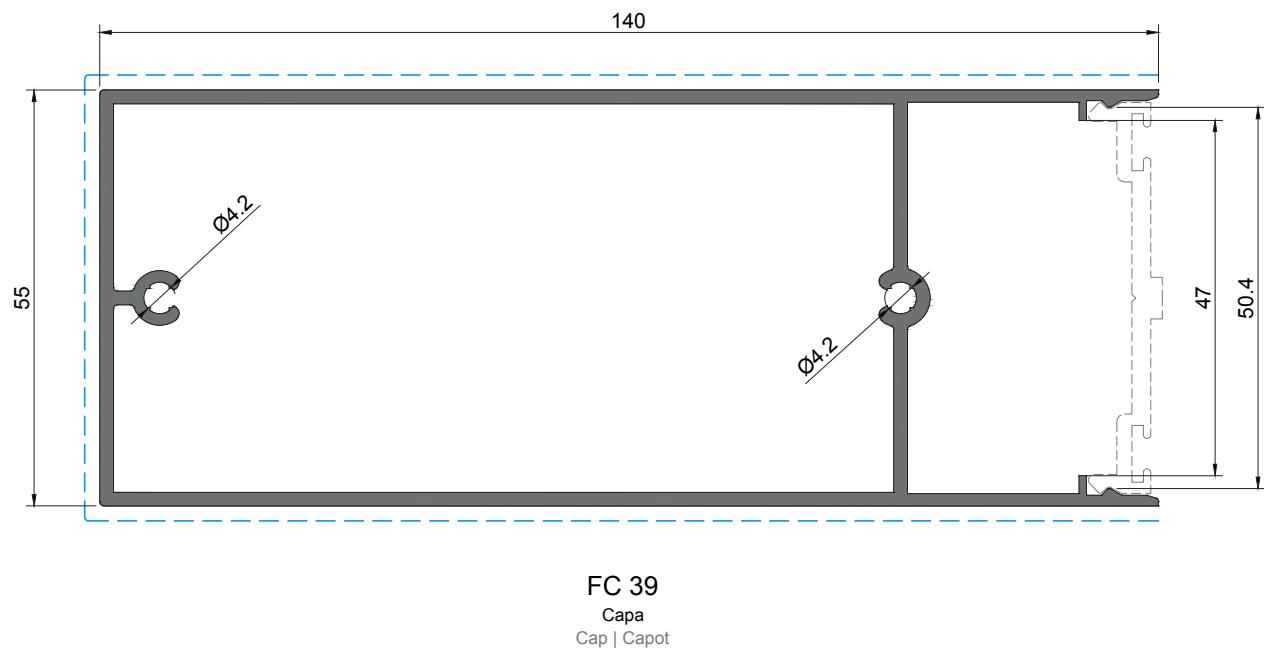
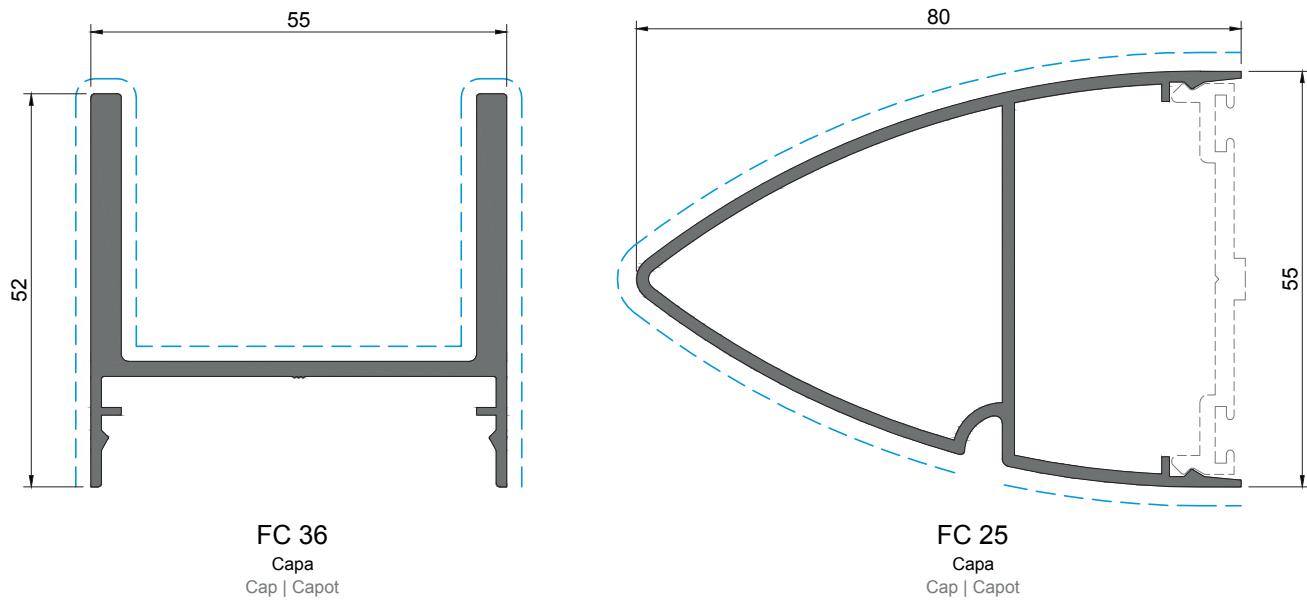
FC 04
Suporte para capa
Cap bracket | Porte-couverture



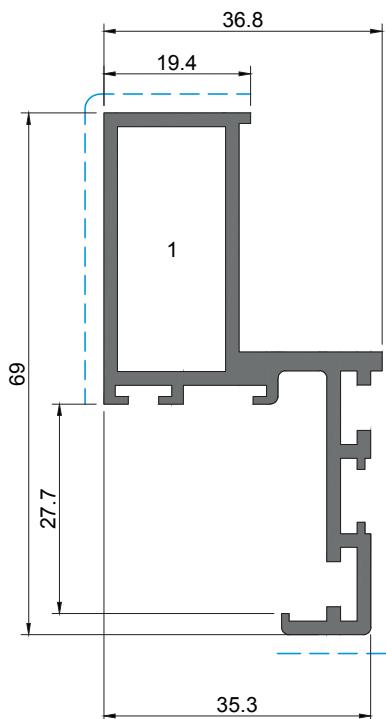
FC 22
Capa
Cap | Capot



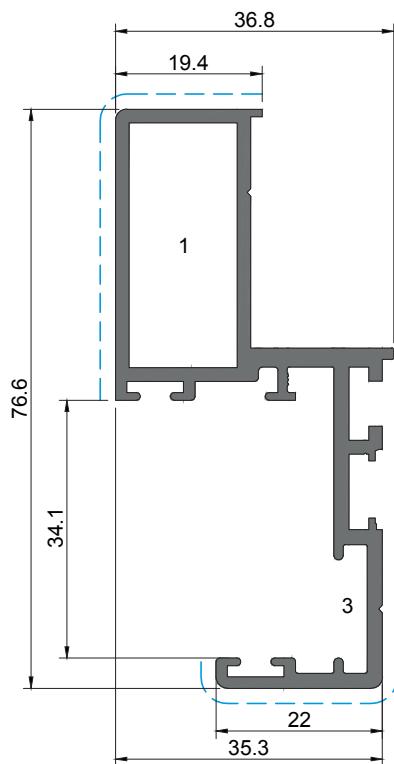
FC 06
Capa
Cap | Capot



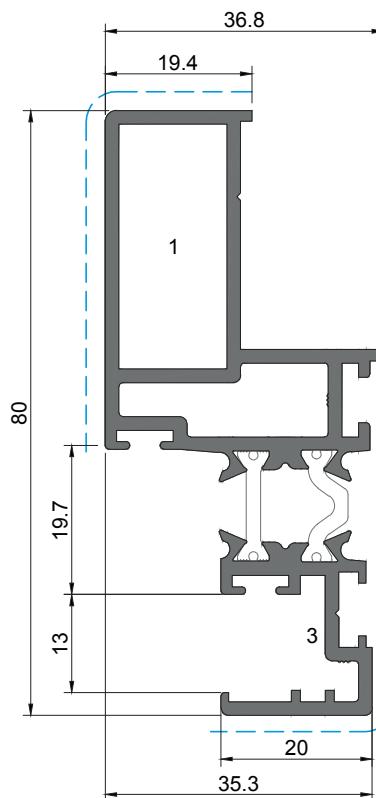
Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EEF | EM | PB | EEF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



FC 15
Perfil para quadros
Frames profile | profilé pour cadres



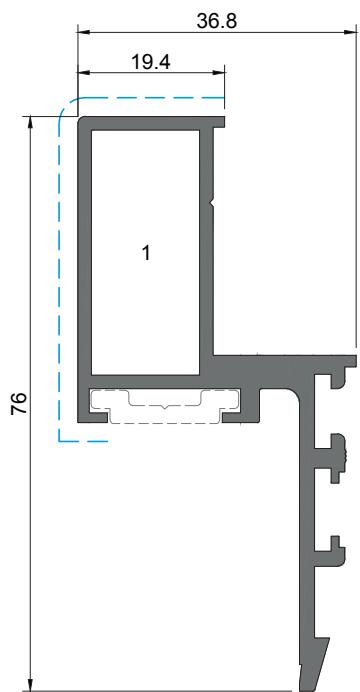
FC 45
Perfil para quadros
Frames profile | profilé pour cadres



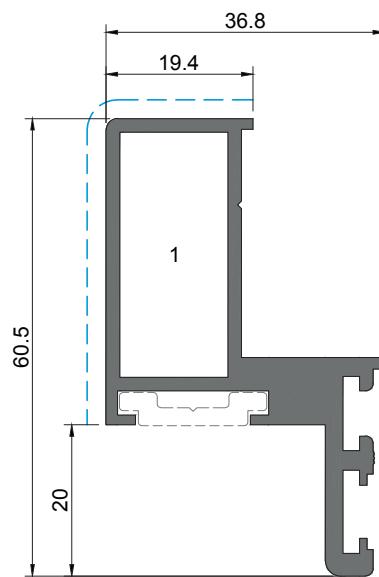
FC 35
Perfil para quadros
Frames profile | profilé pour cadres



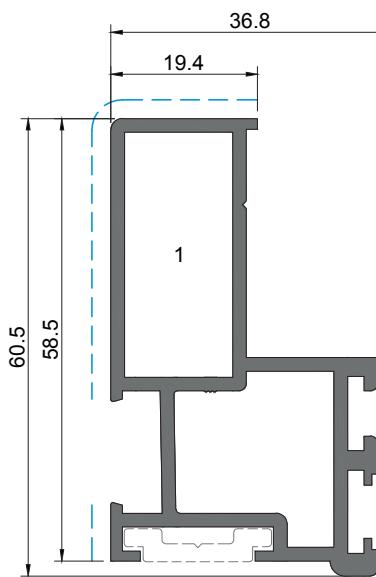
SA 33
Perfil complementar
(Anodizado com >20 microns)
Complementary profile | Profilé complémentaire
(Anodised with >20microns | Anodisé avec >20 microns)



FC 54
Perfil para quadros
Frames profile | profilé pour cadres



FC 14
Perfil para quadros
Frames profile | profilé pour cadres



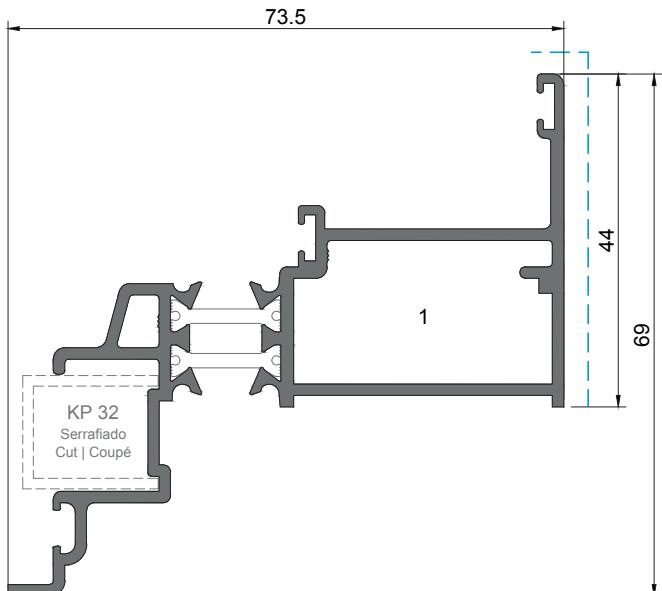
FC 23
Perfil para quadros
Frames profile | profilé pour cadres

Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EEF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

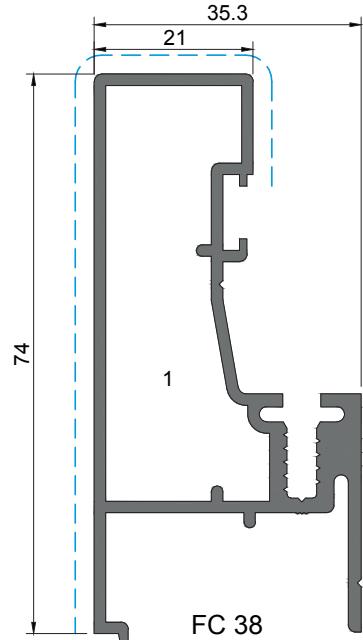
1 - Esquadro | Corner cleat | Équerre 26-3214-135
 4 - Esquadro | Corner cleat | Équerre 18-3712-C

2 - Esquadro | Corner cleat | Équerre FC 42x34-C
 5 - Canto | Corner cleat | Équerre CR 0182 + Pinos

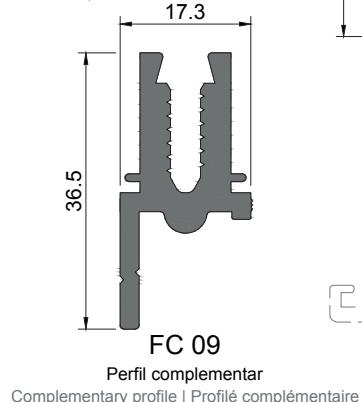
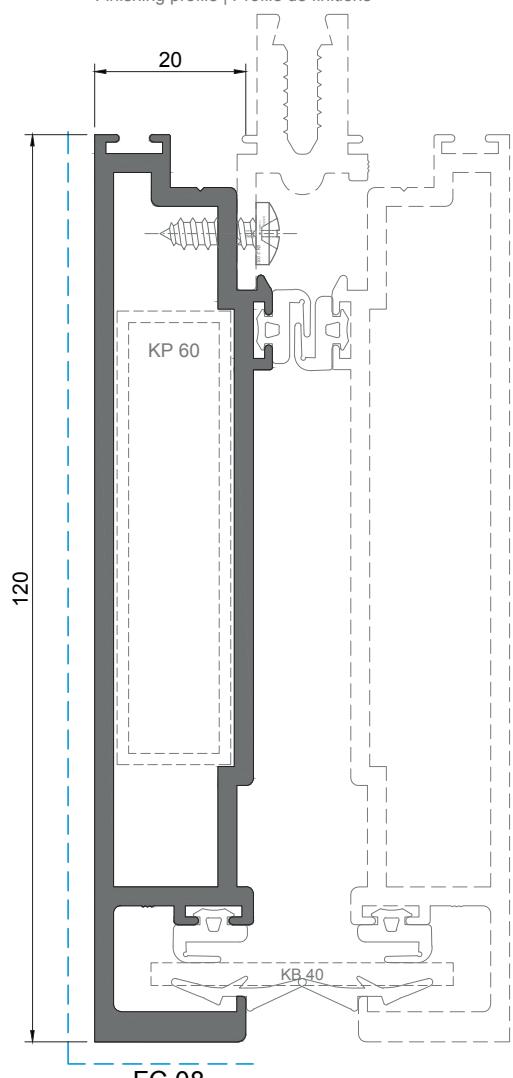
3 - Canto | Corner | Angle CR 2005



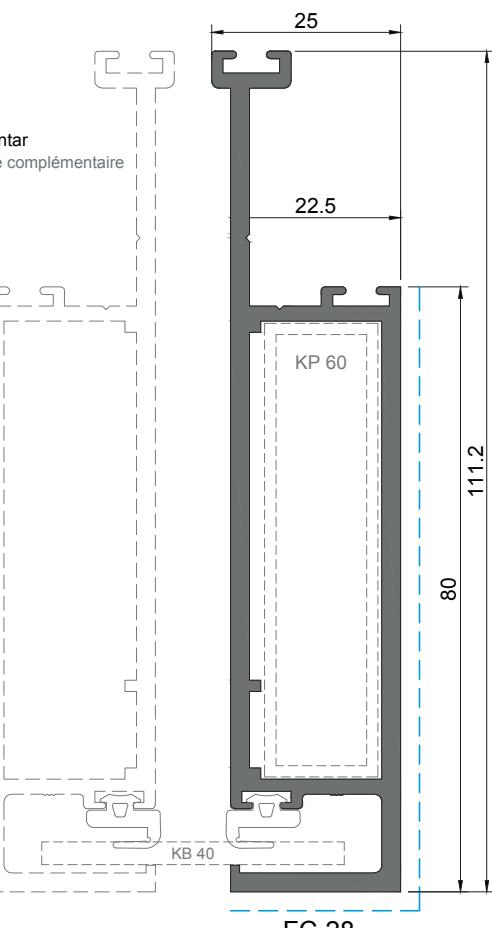
FC 31
Perfil de remate
Finishing profile | Profilé de finitions



FC 38
Perfil de remate
Finishing profile | Profilé de finitions



FC 09
Perfil complementar
Complementary profile | Profilé complémentaire



FC 28
Perfil de remate lateral/junta dilatação/ângulos
Para FC-Oculta ou FC-Semi-oculta.
Lateral finishing profile/expansion joint/angles
For FC-Structural or FC-Semi-structural. Apply only with FC 24
Profilé de finition lateral/joint de dilatation/angles
Pour FC-V.E.C. ou FC-V.E.P. A appliquer seulement avec FC 24

Perfil de remate lateral/junta dilatação/ângulos

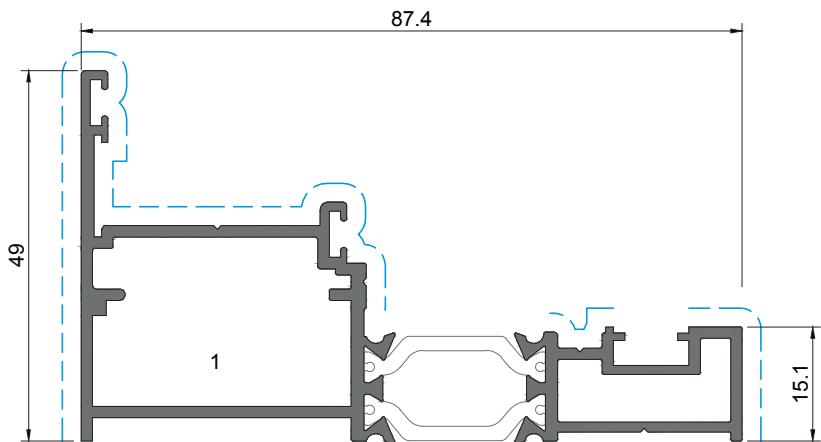
Para FC-Oculta ou FC-Semi-oculta. Aplicar apenas com FC 24

Lateral finishing profile/expansion joint/angles

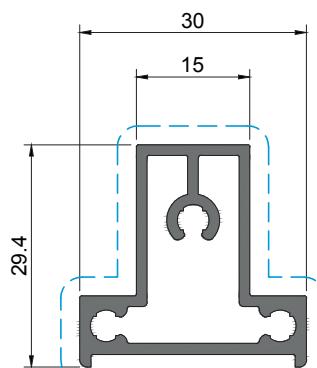
For FC-Structural or FC-Semi-structural. Apply only with FC 24

Profilé de finition lateral/joint de dilatation/angles

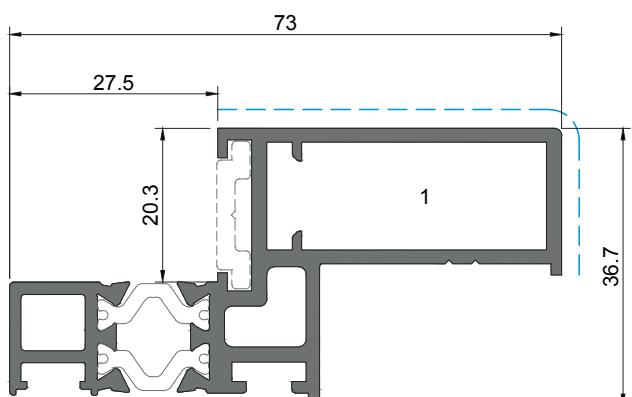
Pour FC-V.E.C. ou FC-V.E.P. A appliquer seulement avec FC 24



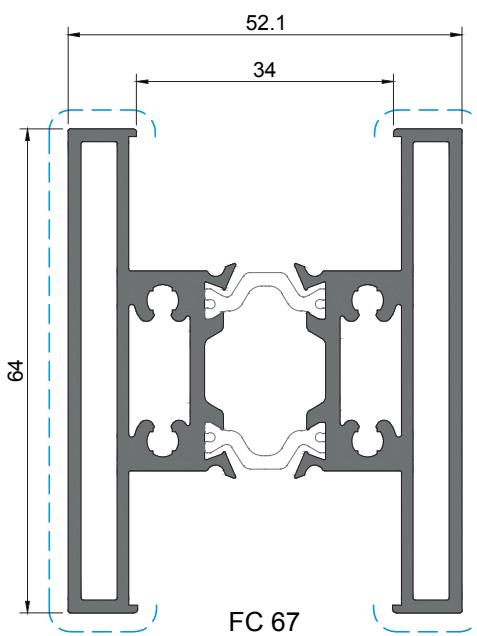
FC 66
Aro fixo
Fixed frame | Cadre dormant



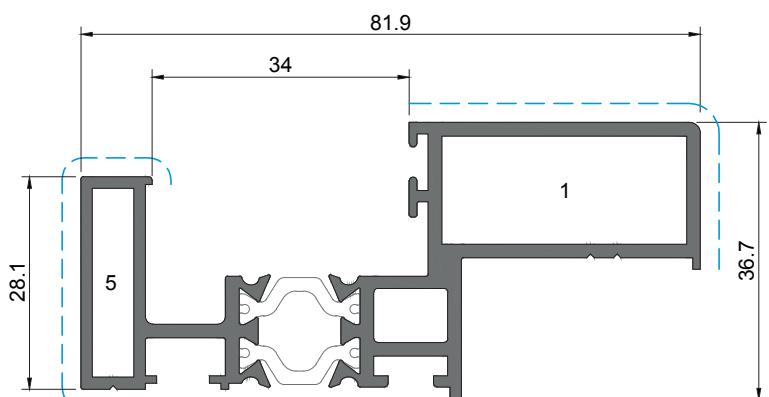
FC 68
Perfil para quadriculas
Glass grid profile | Profilé pour grilles de verre



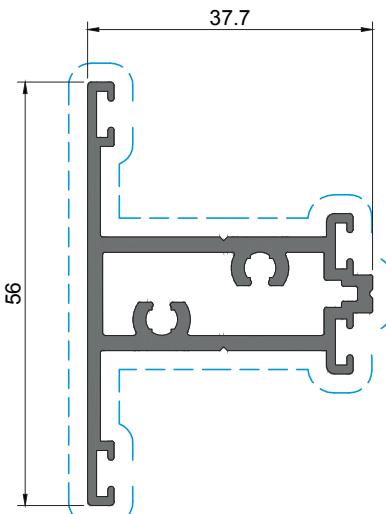
FC 64
Aro móvel
Mobile frame | Cadre ouvrant



FC 67
Travessa
Transom | Traverse



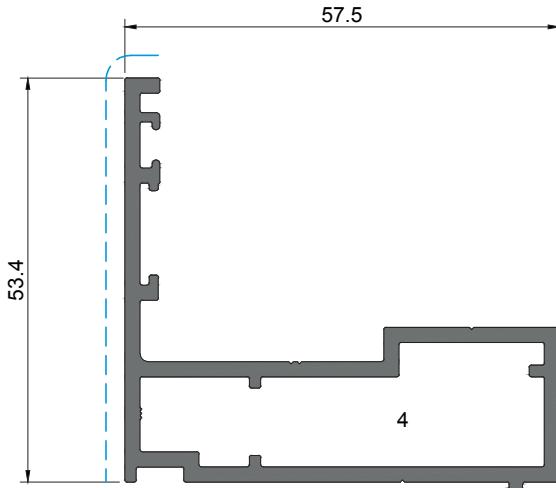
FC 65
Aro móvel
Mobile frame | Cadre ouvrant



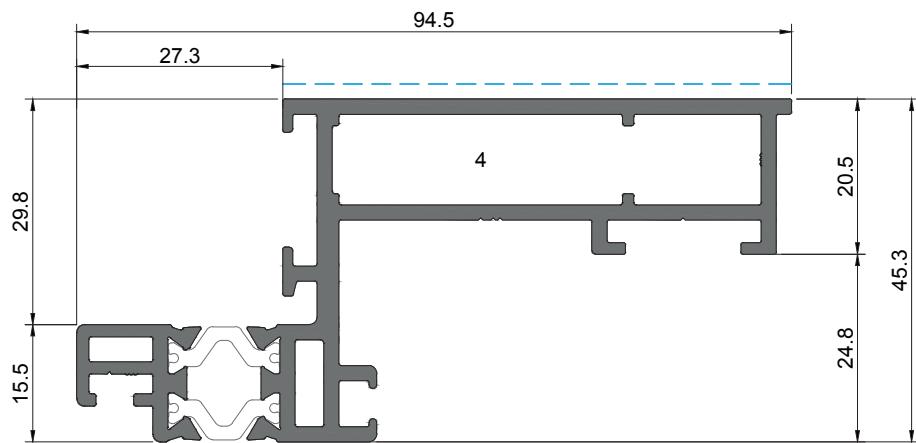
FC 69
Travessa
Transom | Traverse

Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EEF | EM | PB | EEF | EM
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

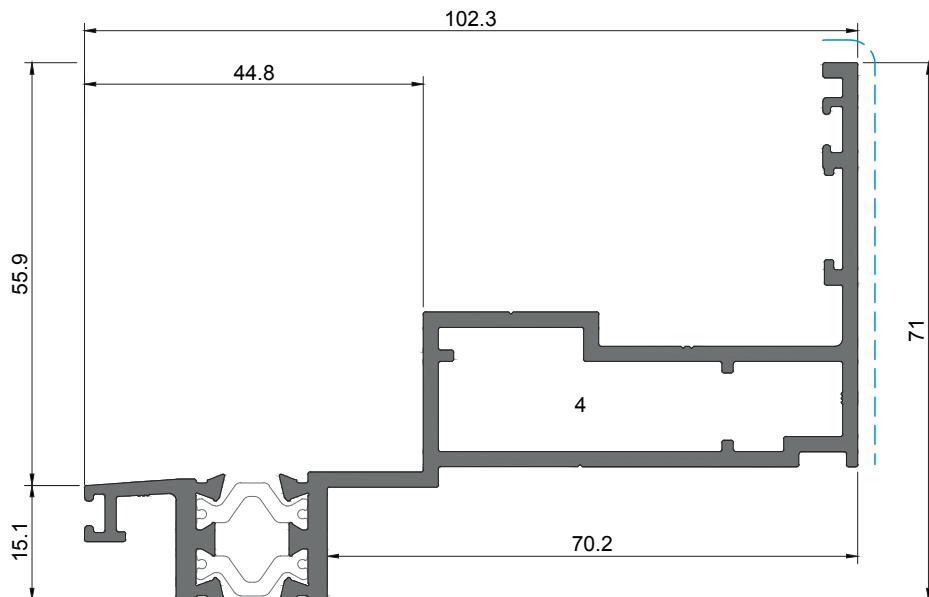
- 1 - Esquadro | Corner cleat | Équerre 26-3214-135 2 - Esquadro | Corner cleat | Équerre FC 42x34-C 3 - Canto | Corner | Angle CR 2005
4 - Esquadro | Corner cleat | Équerre 18-3712-C 5 - Canto | Corner cleat | Équerre CR 0182 + Pinos



FC 63
Aro fixo - Para FC
Fixed frame - For FC | Cadre dormant - Pour FC



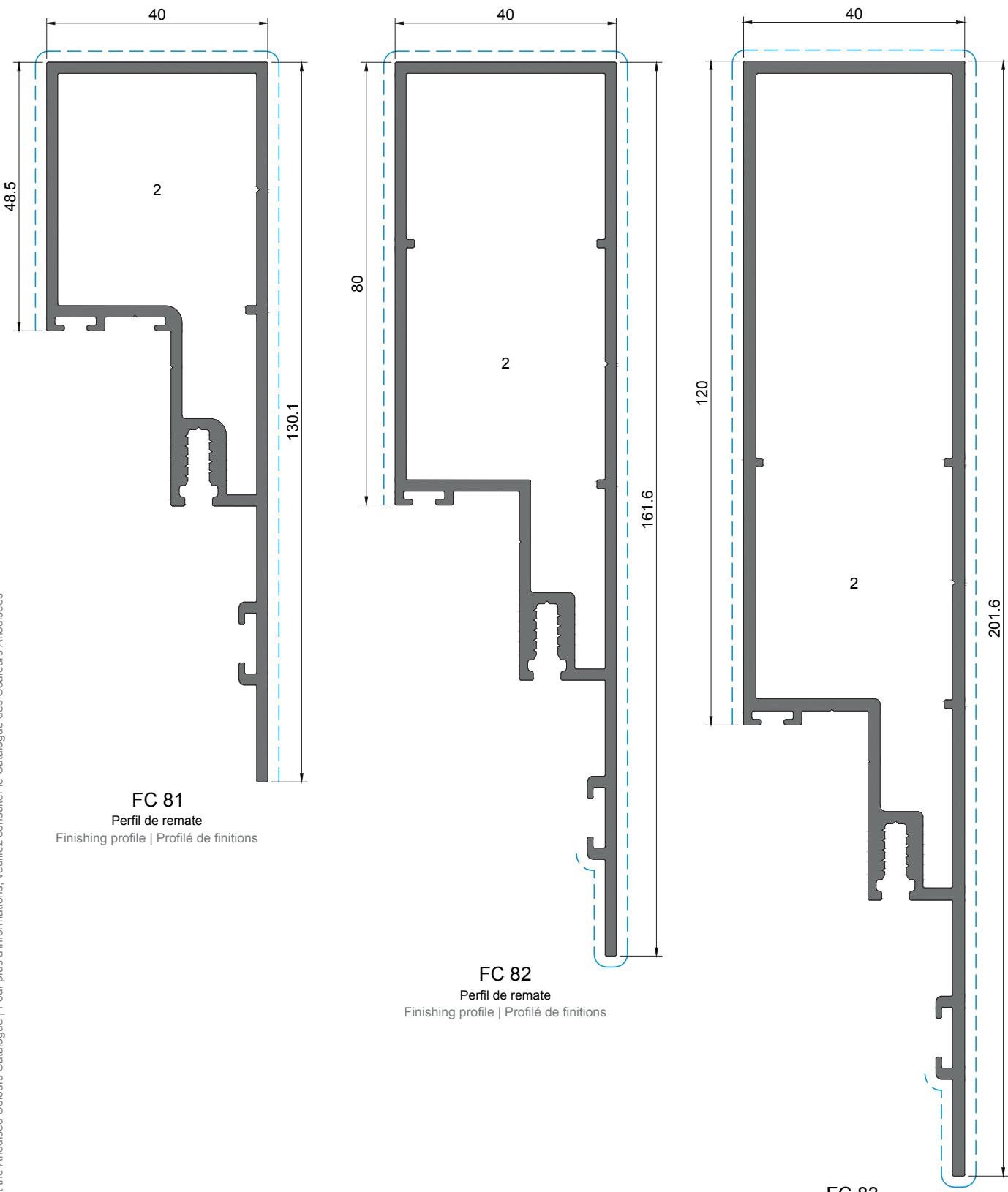
FC 79
Aro móvel - Para FC
Mobile frame - For FC-DEC | Cadre ouvrant - Pour FC-DEC



FC 78
Aro fixo - Para FC-DEC
Fixed frame - For FC-DEC | Cadre dormant - Pour FC-DEC

Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EEF | EM | PB | EEF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

- 1 - Esquadro | Corner cleat | Équerre 26-3214-135 2 - Esquadro | Corner cleat | Équerre FC 42x34-C 3 - Canto | Corner | Angle CR 2005
 4 - Esquadro | Corner cleat | Équerre 18-3712-C 5 - Canto | Corner cleat | Équerre CR 0182 + Pinos

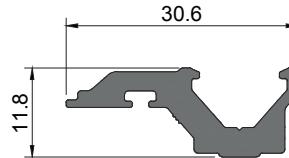
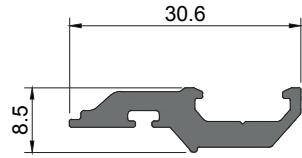
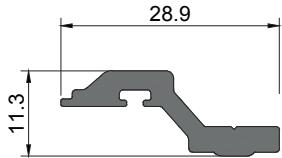


Tratamento de superfície | Surface treatment | Traitement de surface
 PB | PM | EF | EM
 Para mais informações, consultar Catálogo de Cores Anodizados
 For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées

- 1 - Esquadro | Corner cleat | Équerre 26-3214-135 2 - Esquadro | Corner cleat | Équerre FC 42x34-C 3 - Canto | Corner | Angle CR 2005
 4 - Esquadro | Corner cleat | Équerre 18-3712-C 5 - Canto | Corner cleat | Équerre CR 0182 + Pinos

FC-DEC

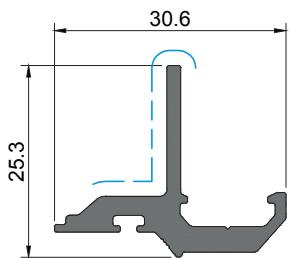
Perfis sem maquinado | Profiles without machining | Profilés sans usinage



FC 70

Perfil de fixação de vidro - Para FC-DEC
Glass fixing profile - For FC-DEC
Profilé de collage du verre - Pour FC-DEC

Acabamentos: Anodizado preto
Finishes: Black anodised
Finitions: Anodisé noir



FC 76

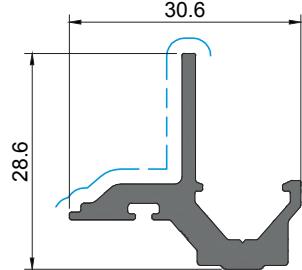
Perfil fixador de quadro FC-DEC
Frame fixing profile FC-DEC
Profilé pour fixation des cadres FC-DEC

Acabamentos: Anodizado preto
Finishes: Black anodised
Finitions: Anodisé noir

FC 71

Perfil de fixação de vidro - Para FC-DEC
Glass fixing profile - For FC-DEC
Profilé de collage du verre - Pour FC-DEC

Acabamentos: Anodizado preto
Finishes: Black anodised
Finitions: Anodisé noir



FC 85

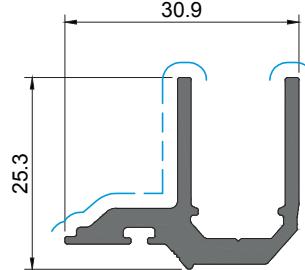
Perfil de fixação/remate - Para FC-DEC
Fixing/finishing profile - For FC-DEC
Profilé de fixation/finition - Pour FC-DEC

Acabamentos: Anodizado preto
Finishes: Black anodised
Finitions: Anodisé noir

FC 74

Perfil de fixação de vidro - Para FC-DEC
Glass fixing profile - For FC-DEC
Profilé de collage du verre - Pour FC-DEC

Acabamentos: Anodizado preto
Finishes: Black anodised
Finitions: Anodisé noir



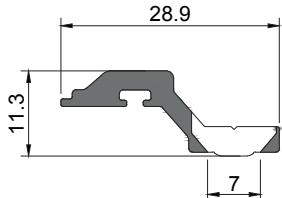
FC 86

Perfil de fixação/remate - Para FC-DEC
Fixing/finishing profile - For FC-DEC
Profilé de fixation/finition - Pour FC-DEC

Acabamentos: Anodizado preto
Finishes: Black anodised
Finitions: Anodisé noir

FC-DEC

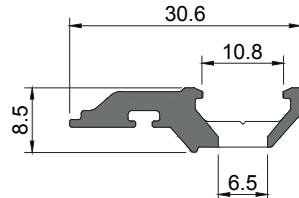
Perfis com maquinado | Profiles with machining | Profilés avec usinage



FC 72

Perfil de fixação de vidro - Para FC-DEC
Glass fixing profile - For FC-DEC
Profilé de collage du verre - Pour FC-DEC

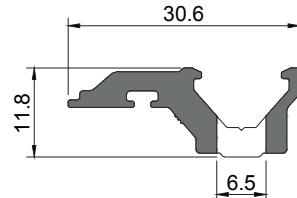
Acabamentos: Anodizado preto
Finishings: Black anodised
Finitions: Anodisé noir



FC 73

Perfil de fixação de vidro - Para FC-DEC
Glass fixing profile - For FC-DEC
Profilé de collage du verre - Pour FC-DEC

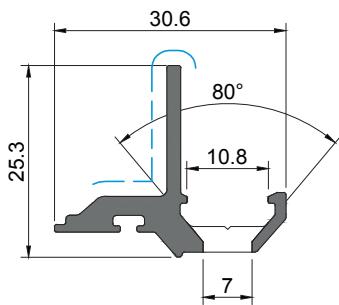
Acabamentos: Anodizado preto
Finishings: Black anodised
Finitions: Anodisé noir



FC 75

Perfil de fixação de vidro - Para FC-DEC
Glass fixing profile - For FC-DEC
Profilé de collage du verre - Pour FC-DEC

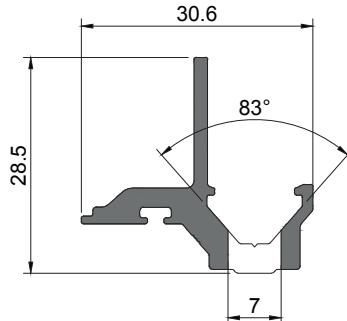
Acabamentos: Anodizado preto
Finishings: Black anodised
Finitions: Anodisé noir



FC 77

Perfil fixador de quadro FC-DEC
Frame fixing profile FC-DEC
Profilé pour fixation des cadres FC-DEC

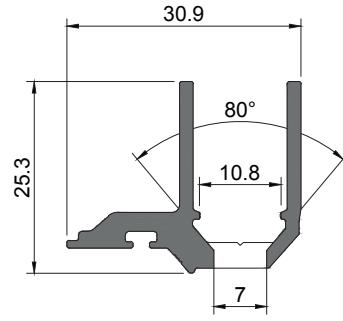
Acabamentos: Anodizado preto
Finishings: Black anodised
Finitions: Anodisé noir



FC 87

Perfil de fixação/remate - Para FC-DEC
Fixing/finishing profile - For FC-DEC
Profilé de fixation/finition - Pour FC-DEC

Acabamentos: Anodizado preto
Finishings: Black anodised
Finitions: Anodisé noir

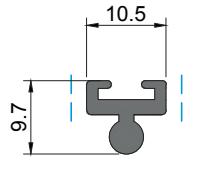
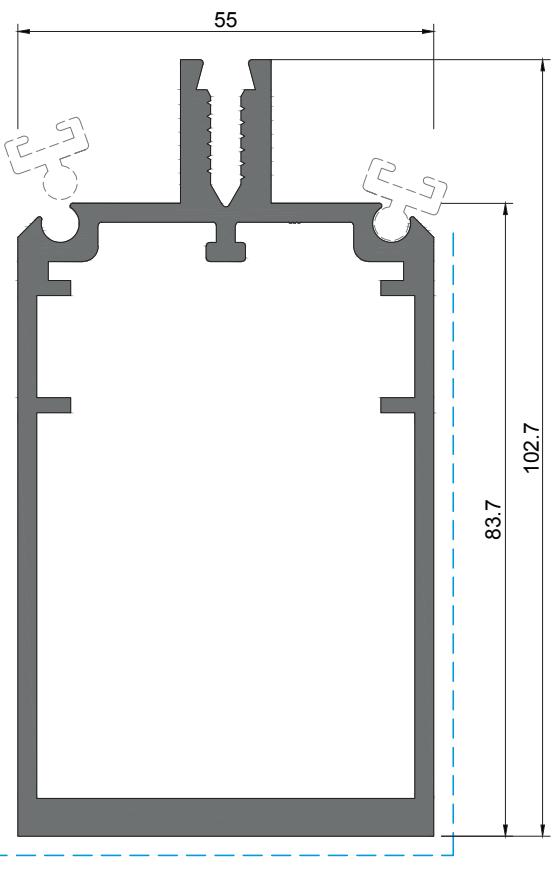
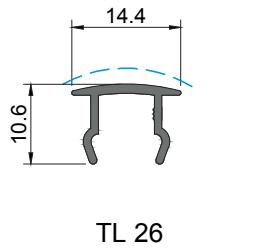
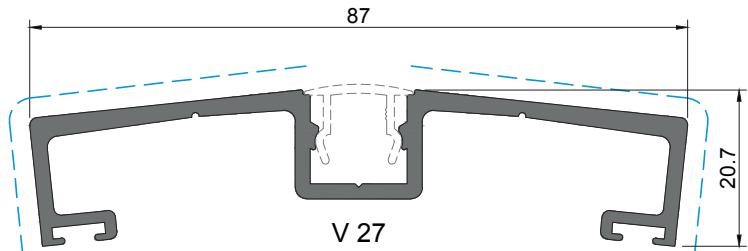


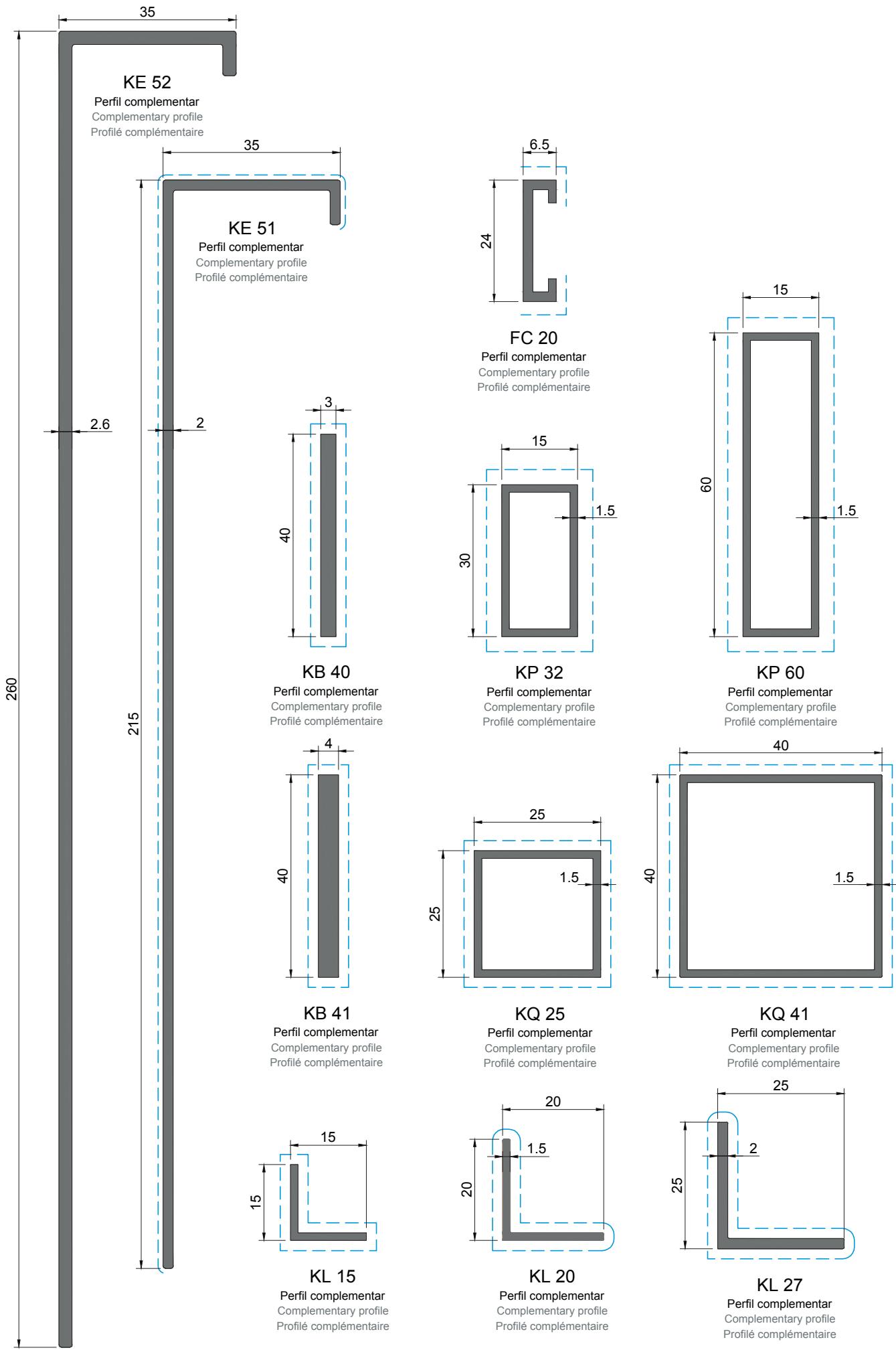
FC 88

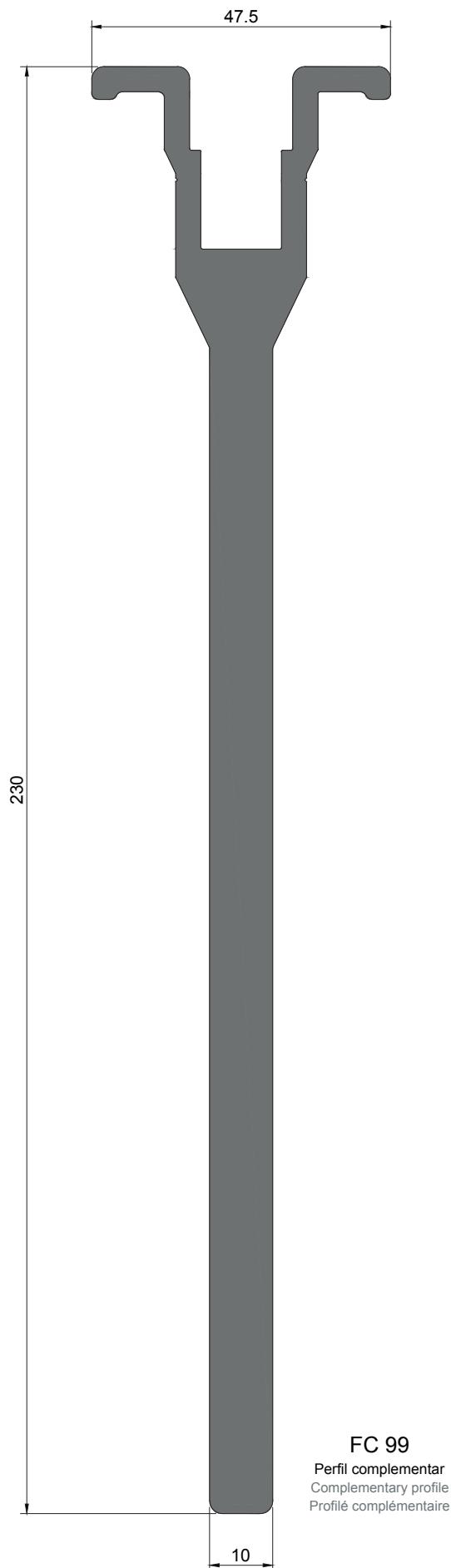
Perfil de fixação/remate - Para FC-DEC
Fixing/finishing profile - For FC-DEC
Profilé de fixation/finition - Pour FC-DEC

Acabamentos: Anodizado preto
Finishings: Black anodised
Finitions: Anodisé noir

Perfis para ângulos de 6° a 22° | Angle profiles from 6° up to 22° | Profilés pour des angles de 6° à 22°







FC 99
Perfil complementar
Complementary profile
Profilé complémentaire

Tratamento de superfície | Surface treatment | Traitement de surface
PB | PM | EEF | EIM PB | EEF | EIM
Para mais informações, consultar Catálogo de Cores Anodizados
For further information, consult the Anodised Colours Catalogue. Pour plus d'informations, veuillez consulter le Catalogue des Couleurs Anodisées



Somax | Oliveira de Azeméis | FC-Oculta



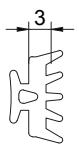
LISTAGEM DE ACESSÓRIOS
ACCESSORIES LIST | LIST D'ACCESSOIRES

VEDANTES
SEALS | JOINTS



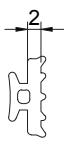
Rolo: 200m
Material: EPDM | Acabamento: Preto

208427



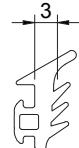
Rolo: 200m
Material: EPDM | Acabamento: Preto

208289



Rolo: 200m
Material: EPDM | Acabamento: Preto

208224



Material: EPDM
Rolo: 200m

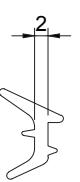
208350

JUNTA DE VEDAÇÃO
EXTERIOR 2003



Material: EPDM
Rolo: 100m

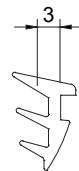
208223



Material: EPDM
Rolo: 200m

208191

JUNTA DE CUNHA 2042



Material: EPDM
Rolo: 200m

208199

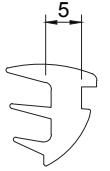
JUNTA DE CUNHA 2073



Material: EPDM
Rolo: 200m

208195

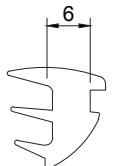
JUNTA DE CUNHA 2034



Material: EPDM
Rolo: 200m

208196

JUNTA DE CUNHA 2035



Material: EPDM
Rolo: 200m

208215

JUNTA DE CUNHA 2036



Material: EPDM
Rolo: 200m

208904

JUNTA DE CUNHA 2037



Aplicar nos Perfis FC 04 e V 27
Rolo: 200m
Material: EPDM | Acabamento: Preto

208288

JUNTA EXTERIOR 2141



Aplicar em janelas projetantes
Material: EPDM | Acabamento: Preto
Rolo: 200m

208278

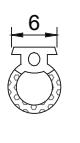
JUNTA DE ESTANQUIDADE 2112



Material: EPDM com 2 durezas:
Zona batente - EPDM esponjoso
Base - EPDM 70Sh | Acabamento: Preto
Caixa: 300m

208008

JUNTA DE ESTANQUIDADE 2051



Material: EPDM com 2 durezas
Zona de batente: EPDM esponjoso
Base: EPDM 70Sh | Acabamento: Preto
Caixa: 300m (150m + 150m)

208225

JUNTA DE ESTANQUIDADE 2050

VEDANTES
SEALS | JOINTS



208274 JUNTA DE ESTANQUIDADE 2001

Aplicar no perfil FC 31
Material: EPDM
Caixa: 8 Rolos x 50m



208281 JUNTA DE ESTANQUIDADE 2057

Rolo: 200m
Material: EPDM | Acabamento: Preto



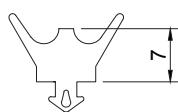
208264 JUNTA DE BATENTE 2102

Aplicar no perfil FC 28
Rolo: 100m
Material: PVC com 2 durezas | Acabamento: Preto



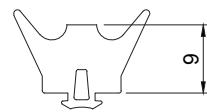
208114 JUNTA DE BATENTE 2008

Rolo: 200m
Material: EPDM | Acabamento: Preto



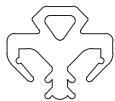
208256 JUNTA DE ESTANQUIDADE 2022

Caixa: 5 x 25m
Material: EPDM | Acabamento: Preto



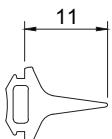
208262 JUNTA DE ESTANQUIDADE 2028

Rolo: 75m
Material: EPDM | Acabamento: Preto



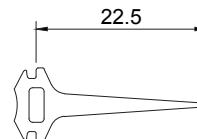
208476 JUNTA EXTERIOR 2007

Para o Sistema FC Horizonte
Rolo: 125m
Material: EPDM | Acabamento: Preto



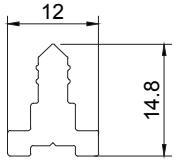
208282 JUNTA EXTERIOR 2011

Rolo: 200m
Material: EPDM | Acabamento: Preto



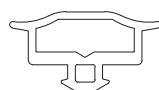
208284 JUNTA EXTERIOR 2024

Rolo: 150m
Material: EPDM | Acabamento: Preto



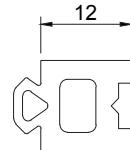
208343 JUNTA VD 2113

Aplicar nos perfis complementares dos
montantes/travessas
Rolo: 100m
Material: EPDM 90° Shore | Acabamento: Preto



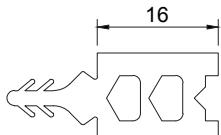
208328 JUNTA P/FC 13/30 - 2109

Aplicar no perfil FC 30
Rolo: 100m
Material: EPDM | Acabamento: Preto



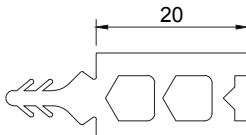
208393 JUNTA RT 001

Rolo: 100m
Material: EPDM 90 Shore | Acabamento: Preto



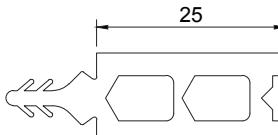
208396 JUNTA RT 004

Rolo: 50m
Material: EPDM 90 Shore | Acabamento: Preto



208397 JUNTA RT 005

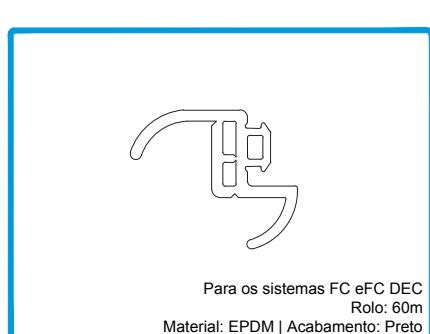
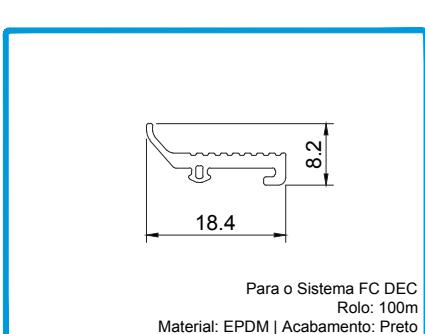
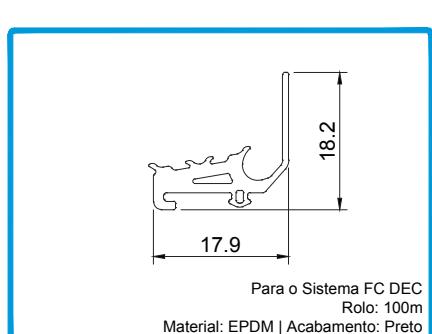
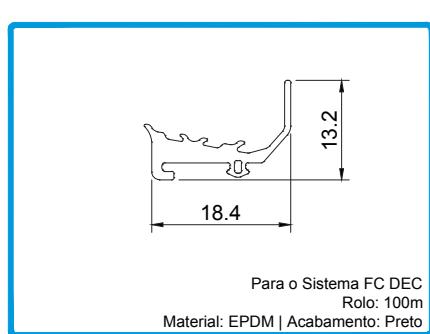
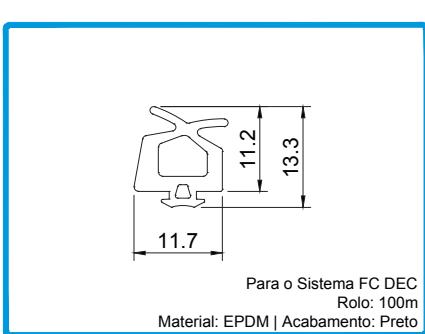
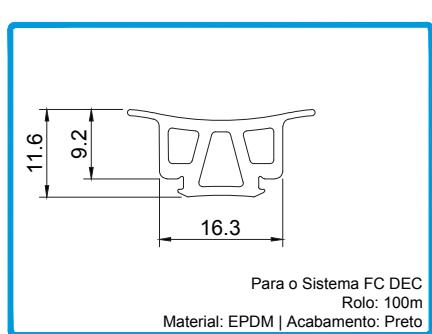
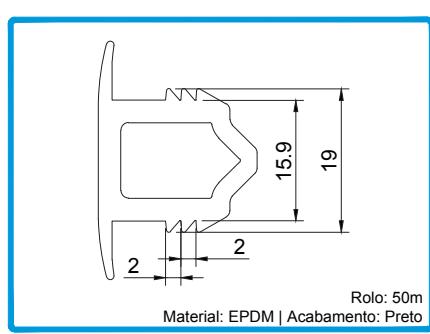
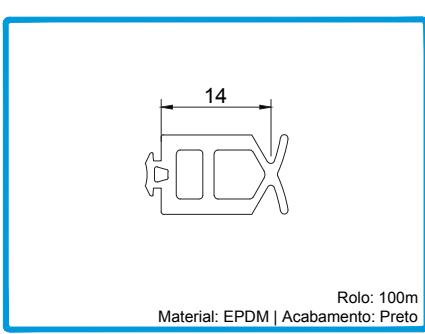
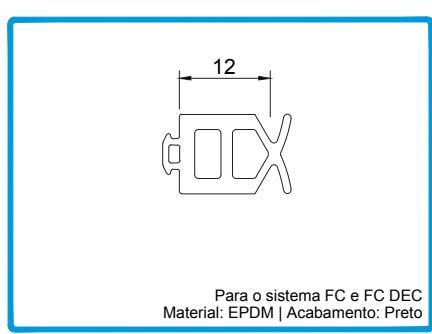
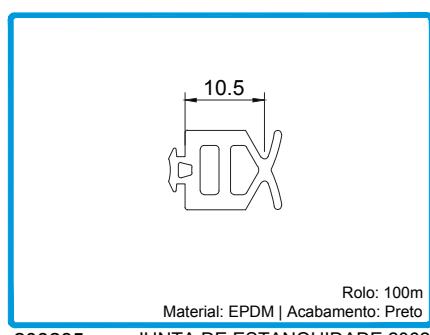
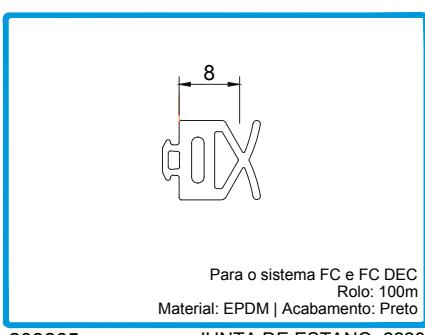
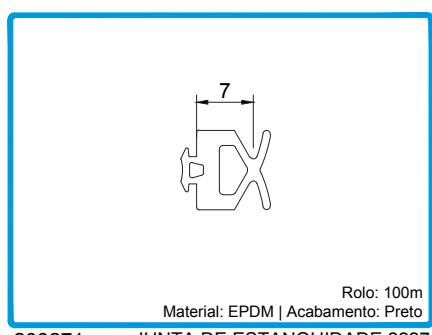
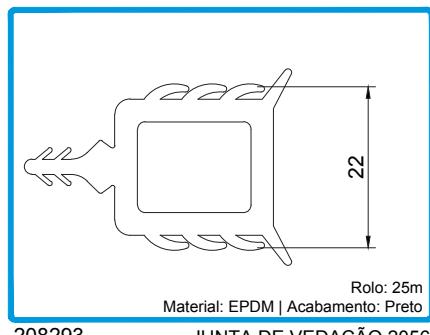
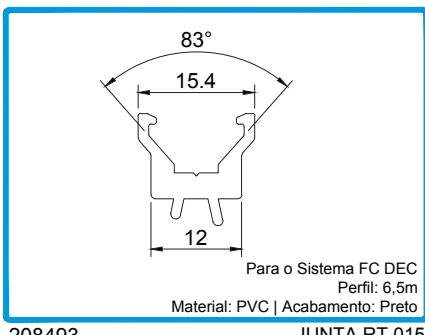
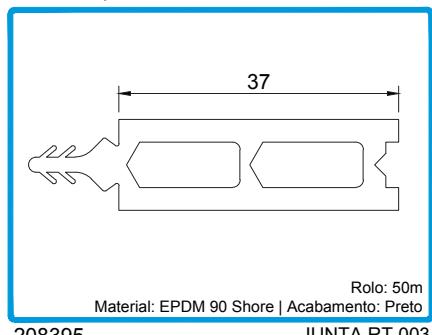
Rolo: 50m
Material: EPDM 90 Shore | Acabamento: Preto



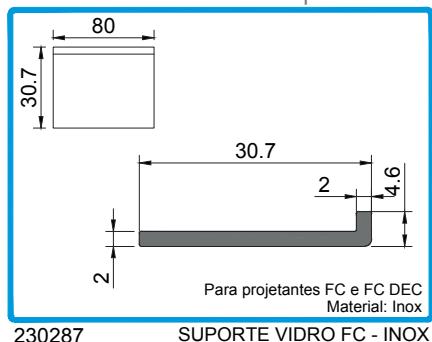
208394 JUNTA RT 002

Rolo: 50m
Material: EPDM 90 Shore | Acabamento: Preto

VEDANTES
SEALS | JOINTS

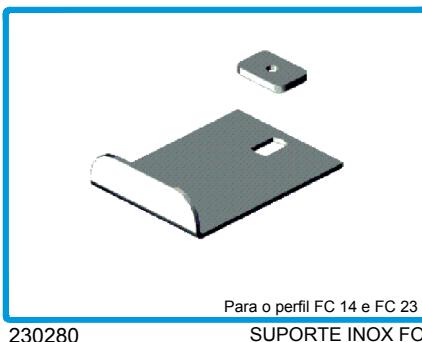


ACESSÓRIOS PARA VIDRO
GLASS ACCESSORIES | ACCESSOIRES POUR VERRE



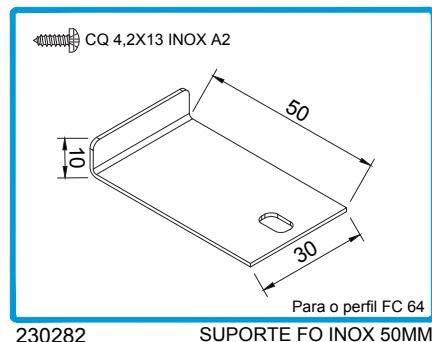
230287

SUPORTE VIDRO FC - INOX



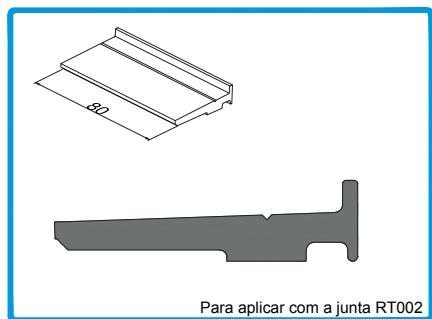
230280

SUPORTE INOX FO



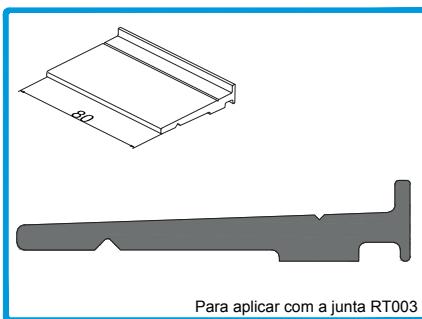
230282

SUPORTE FO INOX 50MM



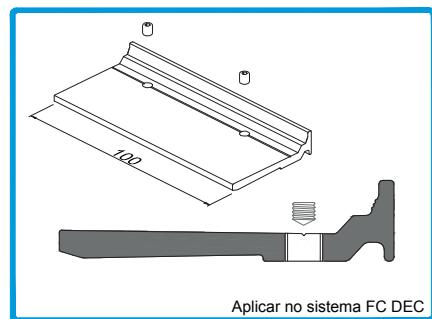
230012

SUPORTE FC AUTO-PORTANTE 002



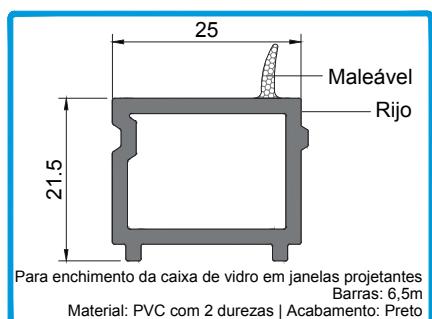
230013

SUPORTE FC AUTO-PORTANTE 003



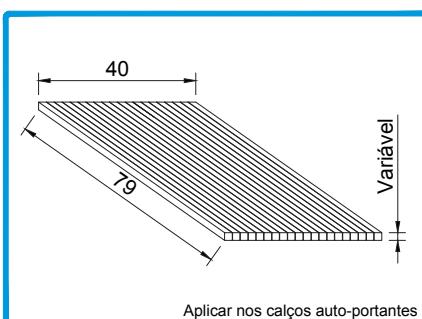
230286

SUPORTE FC AUTO-PORTANTE 005



215307

PERFIL DE REMATE PVC - FC



218113

218109

218111

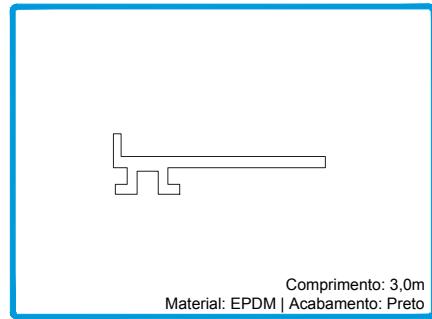
218112

CALÇO PARA VIDRO 79x40x2

CALÇO PARA VIDRO 79x40x3

CALÇO PARA VIDRO 79x40x4

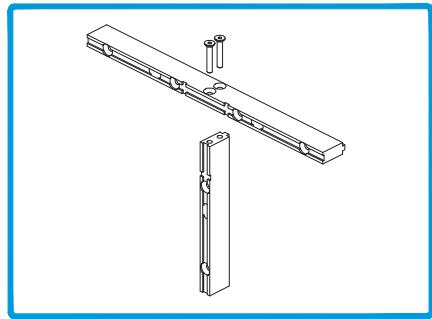
CALÇO PARA VIDRO 79x40x5



208308

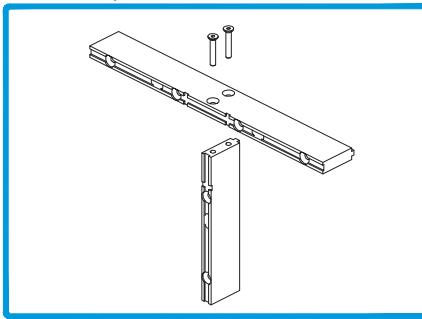
JUNTA LIMITADORA 2010

ACESSÓRIOS PARA MONTANTES E TRAVESSAS
MULLIONS AND TRANSOMS ACCESSORIES | ACCESSOIRES POUR LES MONTANTES ET TRAVESSES



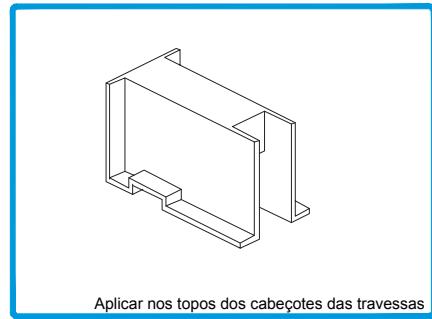
215081

PEÇA DE FIXAÇÃO FRONTAL P/
JUNTA RT 002



215080

PEÇA DE FIXAÇÃO FRONTAL P/
JUNTA RT 003

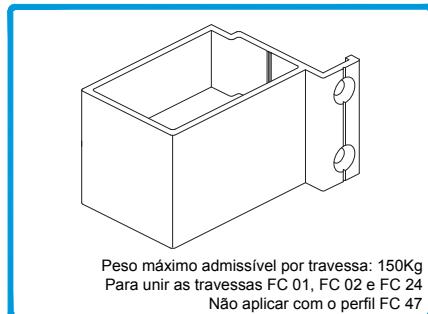


208418

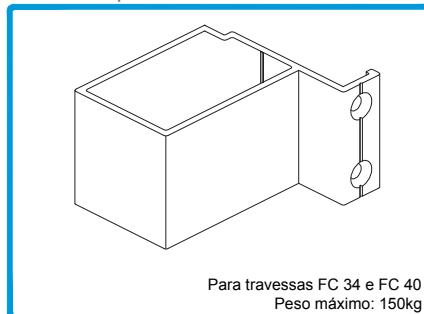
JUNTA TRAVESSAS VT2801

ACESSÓRIOS PARA MONTANTES E TRAVESSAS

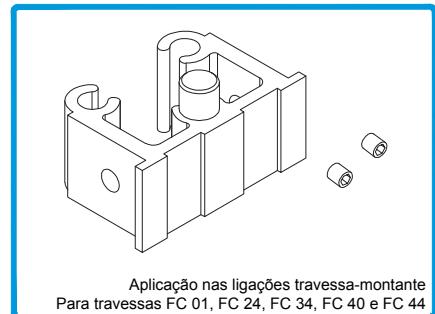
MULLIONS AND TRANSMISSIONS ACCESSORIES | ACCESSOIRES POUR LES MONTANTES ET TRAVERSES



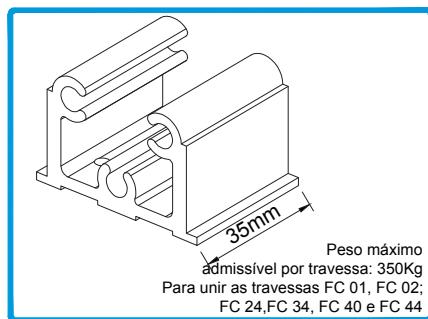
232124 UNIÃO FRONTAL P/ TRAVESSAS UT27



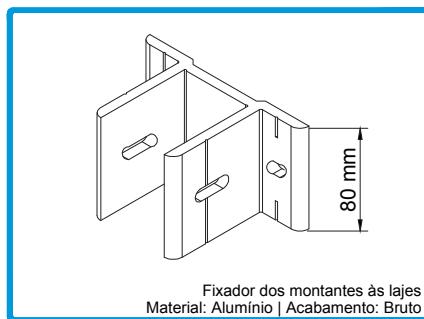
232017 UNIÃO FRONTAL P/ TRAVESSAS FC34/FC40



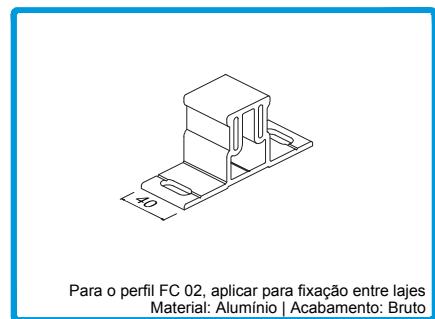
228185 MOLA DE UNIÃO DE TRAVESSA



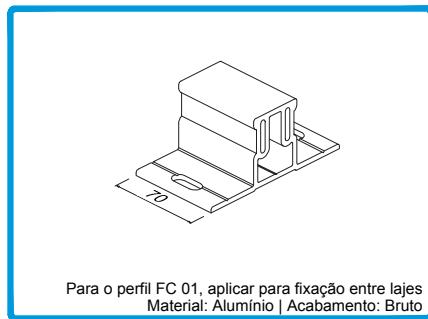
232122 UNIÃO P/ TRAVESSAS UT 2807



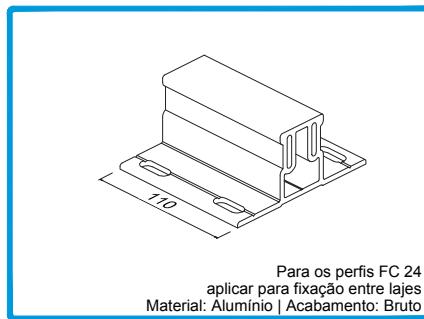
221128 FIXADOR DE MONTANTE 2810



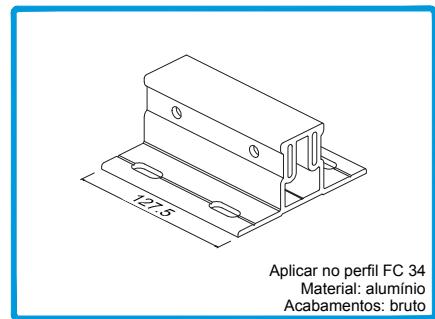
221304 FIXADOR DE MONTANTE 2811



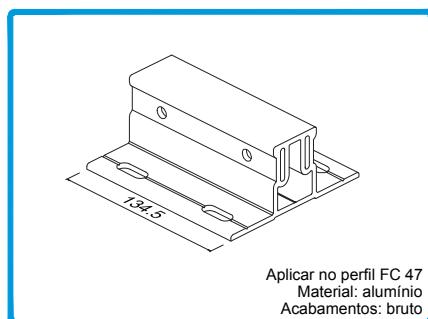
221129 FIXADOR DE MONTANTE 2812



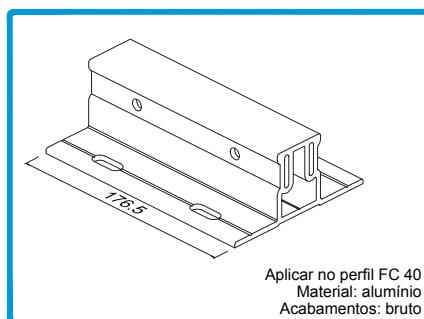
221130 FIXADOR DE MONTANTE 2813



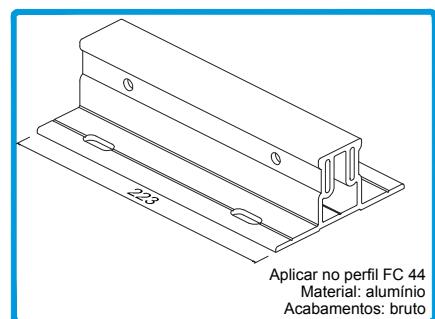
221125 FIXADOR DE MONTANTE FC 34



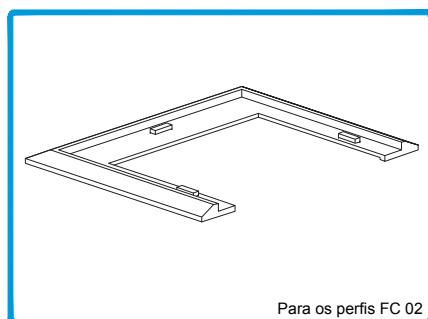
221133 FIXADOR DE MONTANTE FC 47



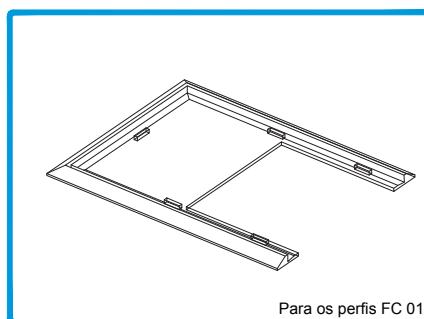
221126 FIXADOR DE MONTANTE FC 40



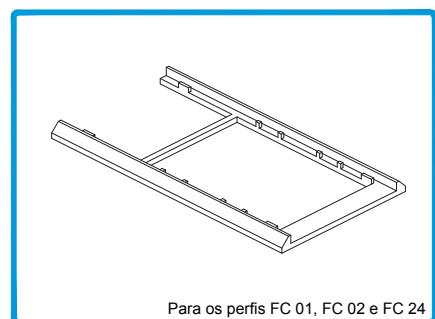
221127 FIXADOR DE MONTANTE FC 44



210248 TOPO P/ TRAVESSAS TP2801



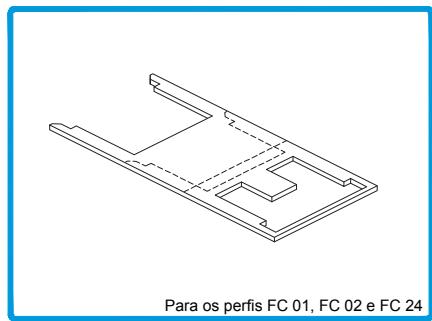
210246 TOPO P/ TRAVESSAS TP24



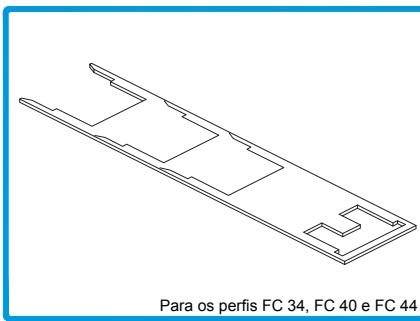
210219 TOPO FC UNIVERSAL PRETO

ACESSÓRIOS PARA MONTANTES E TRAVESSAS

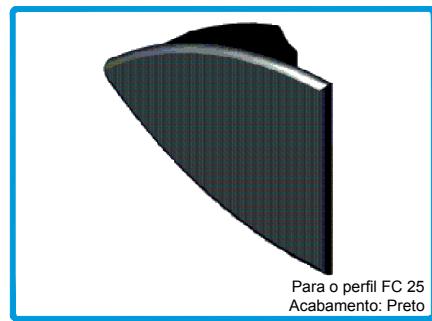
MULLIONS AND TRANSOMS ACCESSORIES | ACCESSOIRES POUR LES MONTANTES ET TRAVERSES



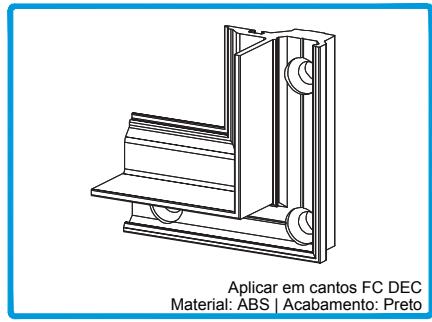
Para os perfis FC 01, FC 02 e FC 24
210286 TOPO DE TRAVESSA FC01-FC02-FC24



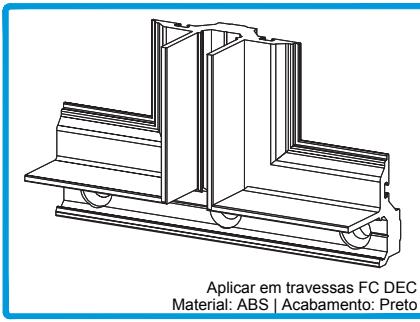
Para os perfis FC 34, FC 40 e FC 44
210287 TOPO DE TRAVESSA FC34-FC40-FC44



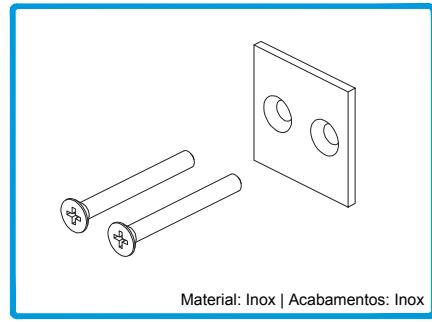
Para o perfil FC 25
Acabamento: Preto
210232 TOPO LATERAL FC 25



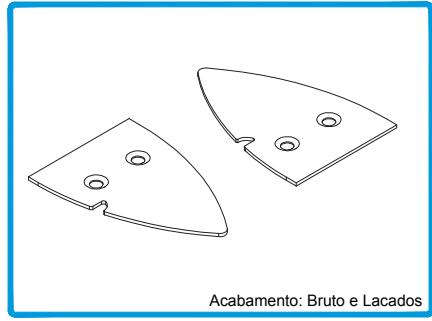
Aplicar em cantos FC DEC
Material: ABS | Acabamento: Preto
215086 PEÇA REMATE CANTO FC DEC



Aplicar em travessas FC DEC
Material: ABS | Acabamento: Preto
215087 PEÇA REMATE TRAVESSA FC DEC



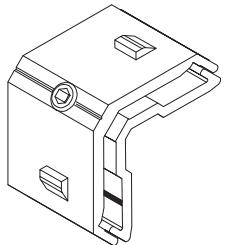
Material: Inox | Acabamentos: Inox
215085 PEÇA DE SEGURANÇA FC DEC



Acabamento: Bruto e Lacados
212253 CONJ. TOPOS FC 25

ACESSÓRIOS PARA QUADROS

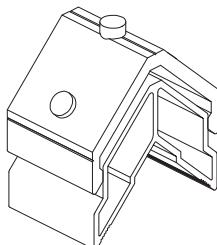
FRAMES ACCESSORIES | ACCESSOIRES POUR LES CADRES



Para os perfis FC 14, FC 15, FC 23, FC 31, FC 35, FC 38, FC 45, FC 54, FC 64, FC 65 e FC 66

204012

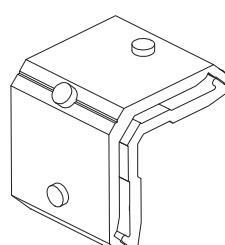
ESQUADRO 26-3214-135



Para ligação 45° dos perfis FC 81, FC 82, FC 83

204165

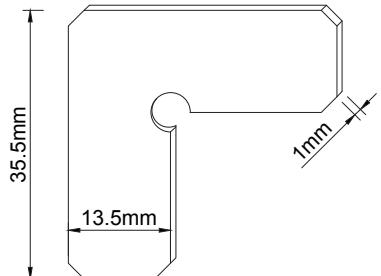
ESQUADRO FC 42x34-C



Para ligação 45° dos perfis FC 63, FC 78, FC 79

204155

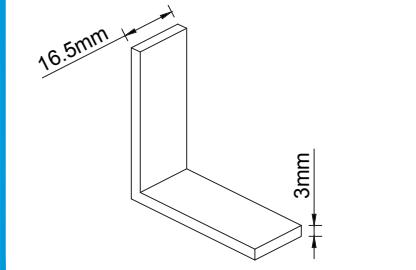
ESQUADRO 18-3712-C



Aplicar no perfil FC 28

213246

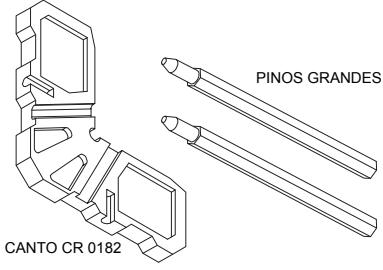
CANTO CR S/SB



Aplicar nos perfis FC 35 e FC 45

213265

CANTO CR 2005



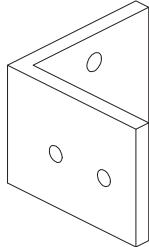
PINOS GRANDES

CANTO CR 0182

Aplicar no perfil FC 65

213309

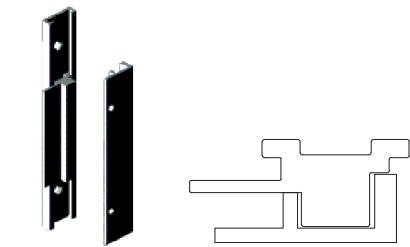
CANTO CR 0182+PINOS GRANDES



Aplicar com os perfis FC 81, FC 82 e FC 83

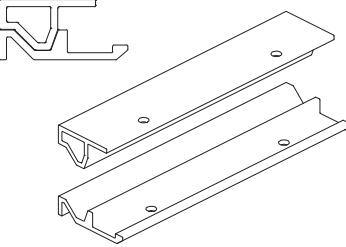
215084

PEÇA APOIO E FIX. DOS PERFIS
REMATE FC



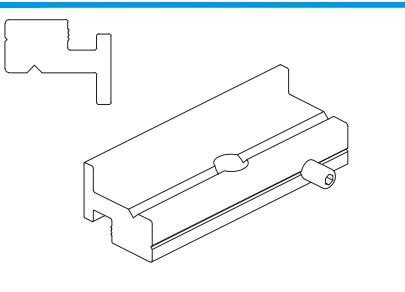
212080

CONJ. FIXAÇÃO LAT. 2824



212078

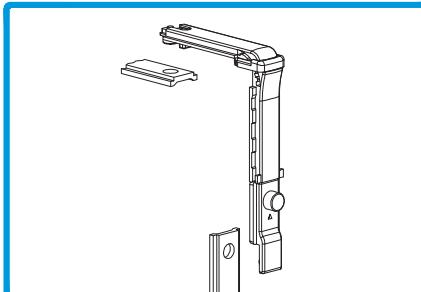
CONJ. FIXAÇÃO INF. 2823



Aplicar nos sistemas FC Semi oculto e FC Oculto

215142

PEÇA FIXAÇÃO FRONTAL 2825

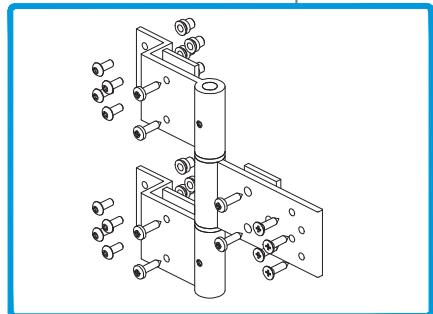


213016

CANTO REENVIO 9312

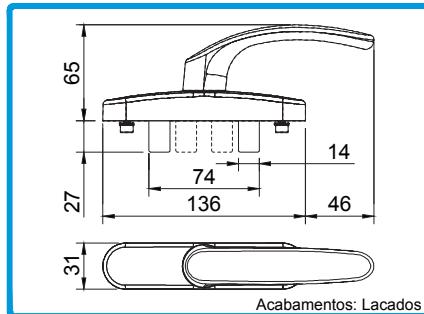
ACESSÓRIOS PARA PORTA

DOOR ACCESSORIES | ACCESSOIRES POUR PORTE



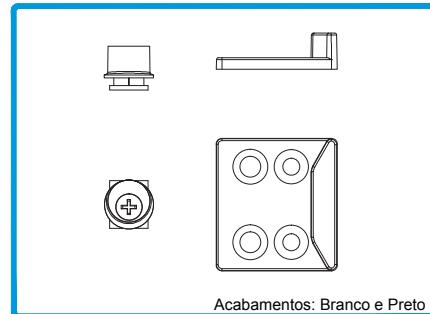
202234

DOBRADEIRA INOX P/ SÉRIE FC



200143

Acabamentos: Lacados

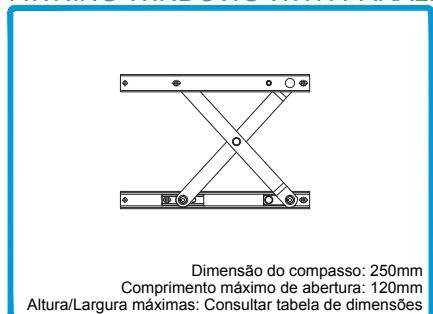


212229

Acabamentos: Branco e Preto
CONJ. PONTO FECHO SUPLEMENTAR 9313

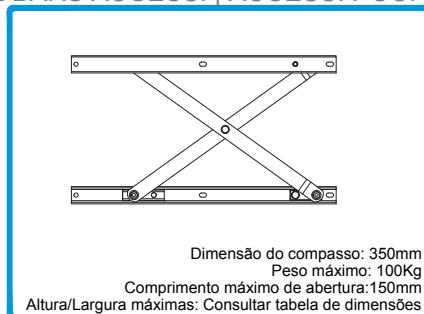
ACESSÓRIOS PARA JANELAS PROJETANTES COM COMPASSOS PARALELOS

AWNING WINDOWS WITH PARALLEL BARS ACCESS. | ACCESS. POUR FENÊTRES AVEC BARRES PARALLÈLES



202519

COMPASSO PARALELO 250 D



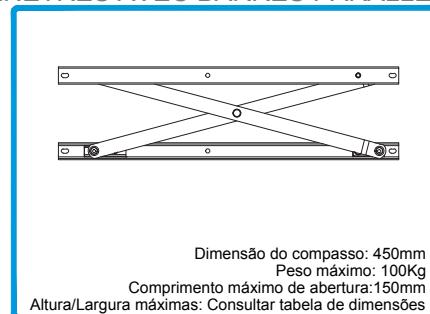
202535

COMPASSO PARALELO 350 D

202536

COMPASSO PARALELO 350 E

Dimensão do compasso: 350mm
Peso máximo: 100Kg
Altura/Largura máximas: Consultar tabela de dimensões



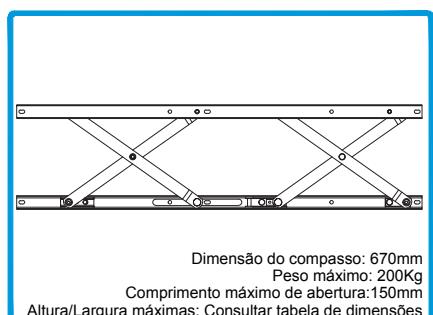
202537

COMPASSO PARALELO 450 D

202538

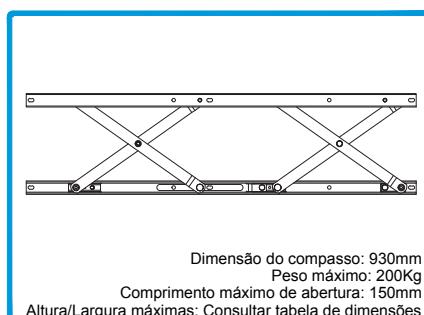
COMPASSO PARALELO 450 E

Dimensão do compasso: 450mm
Peso máximo: 100Kg
Altura/Largura máximas: Consultar tabela de dimensões



202539

COMPASSO PARALELO 670 D
COMPASSO PARALELO 670 E



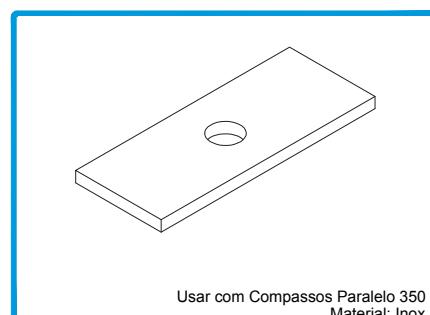
202541

COMPASSO PARALELO 950 D

202542

COMPASSO PARALELO 950 E

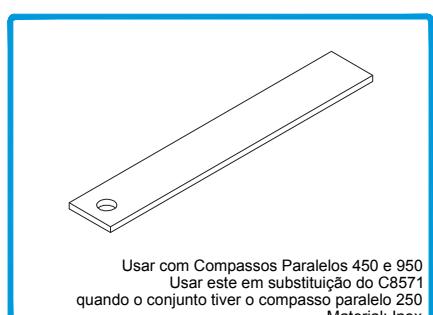
Dimensão do compasso: 930mm
Peso máximo: 200Kg
Altura/Largura máximas: Consultar tabela de dimensões



228108

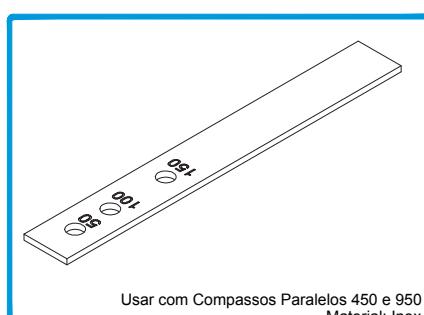
LIMITADOR DE ABERTURA C8700
P/ COMPASSO PARALELO 350

Usar com Compassos Paralelo 350
Material: Inox



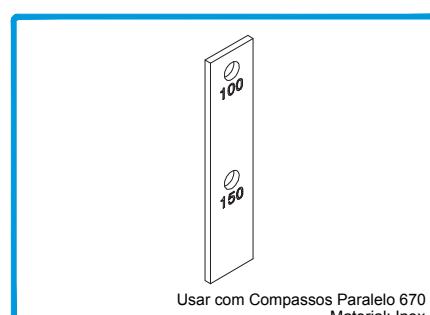
228109

LIMITADOR DE ABERTURA C8701
Usar com Compassos Paralelos 450 e 950
Usar este em substituição do C8571
quando o conjunto tiver o compasso paralelo 250
Material: Inox



228110

LIMITADOR DE ABERTURA C8571
Usar com Compassos Paralelos 450 e 950
Material: Inox



228111

LIMITADOR DE ABERTURA C8688
Usar com Compassos Paralelo 670
Material: Inox

ACESSÓRIOS PARA JANELAS PROJETANTES

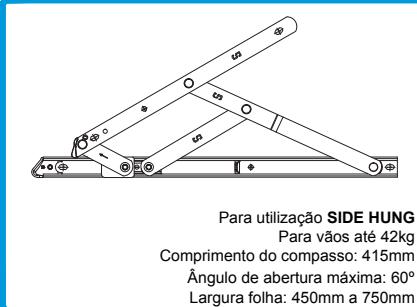
AWNING WINDOWS ACCESSORIES | ACCESSOIRES POUR FENÊTRES À L'ITALIENNE



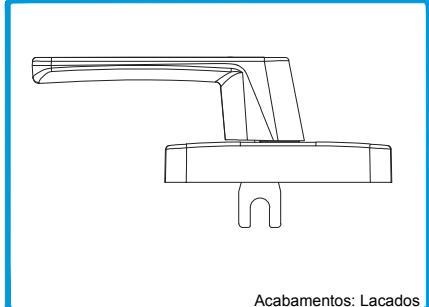
SIDE HUNG

Peso máx./ângulo abertura: 60kg/30° | 50kg/50° | 42kg/90°
Comprimento do compasso: 415 mm
Largura máx.: 700mm | Altura máxima: 1600mm
TOP HUNG
Peso máx./ângulo abertura: 100kg/30° | 55kg/50° | 50kg/90°
Comprimento do compasso: 415 mm
Largura máx.: 2000mm | Altura máxima: 800mm

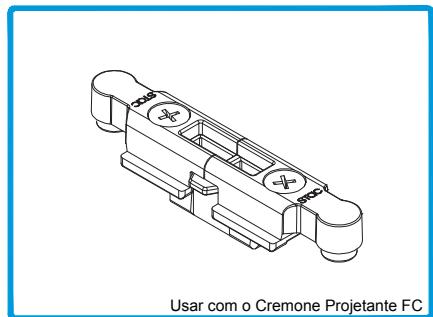
212239 CONJUNTO BRAÇO PROJECTANTE HD16R



212240 CONJUNTO BRAÇO PROJECTANTE SPSH16



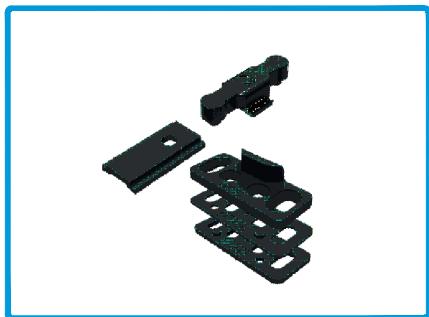
200178 CREMONE PROJECTANTE FC
Acabamentos: Lacados



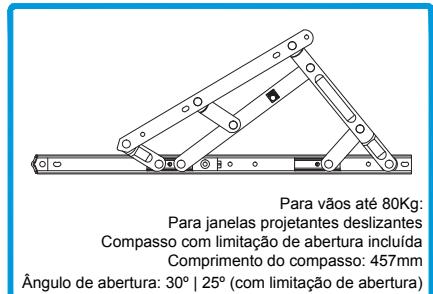
223444 KIT DE TRANSMISSÃO PROJECTANTE FC



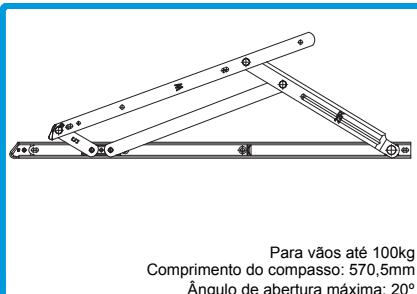
211031 PONTO DE FECHO PROJECTANTE FC



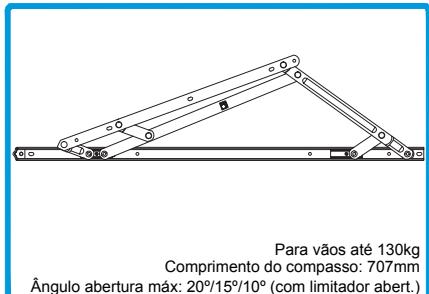
223445 KIT PONTO DE FECHO ADICIONAL PROJECTANTE FC



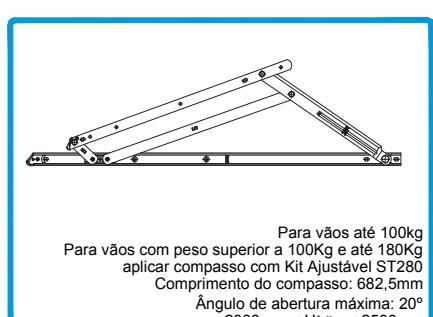
212228 CONJ. BRAÇO PROJETANTE 18011



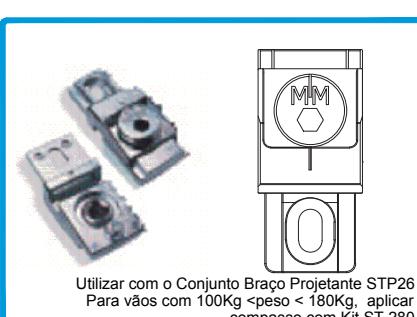
212236 CONJUNTO BRAÇO PROJETANTE STP22W



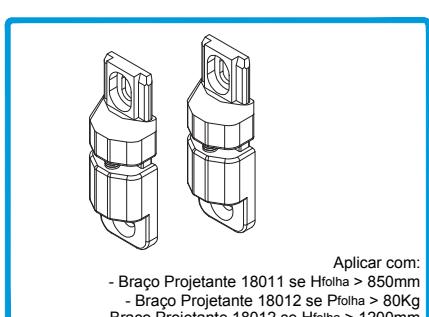
212218 CONJ. BRAÇO PROJETANTE 18012



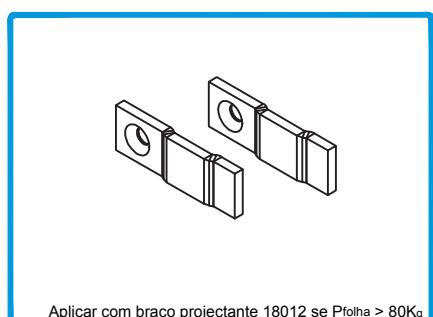
212021 CONJ. BRAÇO PROJETANTE STP26



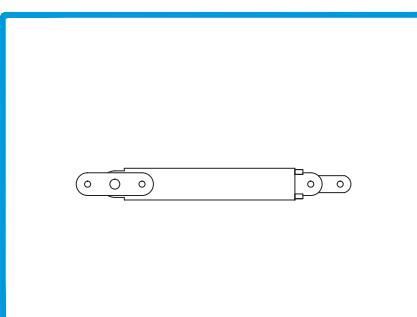
223007 KIT AJUSTÁVEL ST280



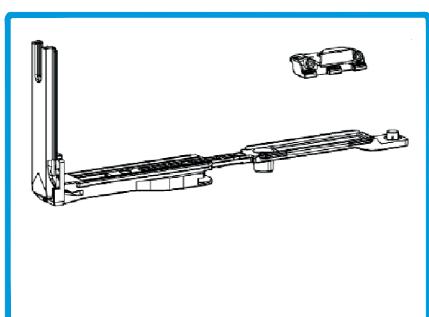
223251 KIT ALTURA AJUSTÁVEL 18012



212219 CONJ. LIMITADOR DE ABERTURA BRAÇO PROJ. 18012



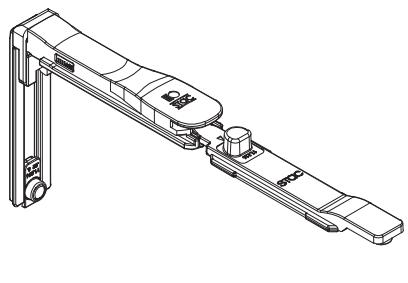
202065 COMPS.SAVIO 1307.1



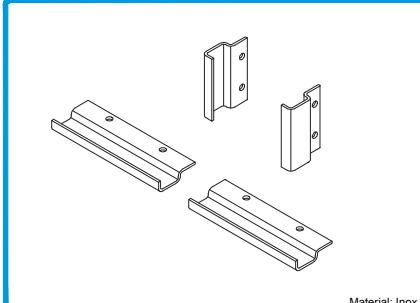
213302 KIT ÂNGULO DE REENVIO 11342

ACESSÓRIOS PARA JANELAS PROJETANTES

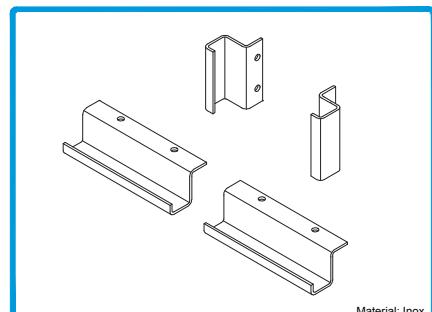
AWNING WINDOWS ACCESSORIES | ACCESSOIRES POUR FENÊTRES À L'ITALIENNE



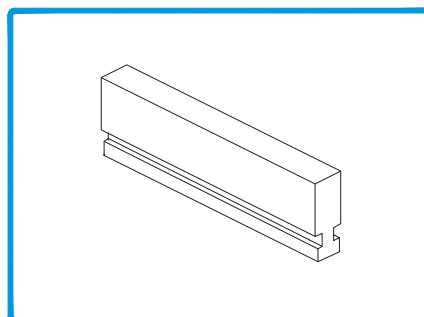
213237 ÁNGULO DE REENVIO 1134F40 PRT



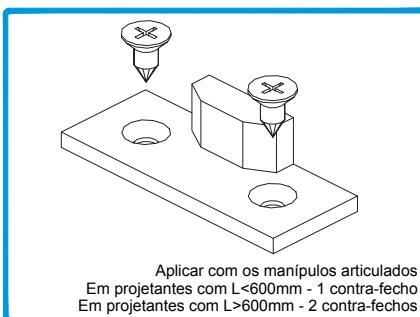
223446 KIT PEÇAS DE SEGURANÇA/APOIO VIDRO PROJECTANTE FC



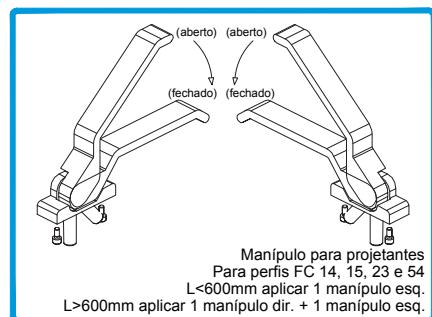
223447 KIT PEÇAS DE SEGURANÇA/APOIO VIDRO PROJECTANTE FC DEC



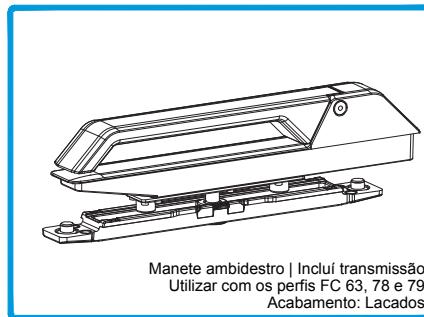
228103 LIMITADOR DISTÂNCIA LD001



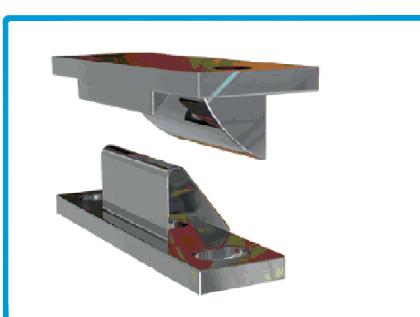
202088 CONTRA FECHO 5708



416003 MANÍPULO ARTICULADO i33 DIR.
416004 MANÍPULO ARTICULADO i33 ESQ.



200807 MANETE PROJECTANTE PLEXUS



211032 PONTO DE FECHO OCULTO FC

ACIONADORES ACTUATORS | BOÎTIERS



212640 ACIONADOR 40837Z (Cnz.)
212644 ACIONADOR 40837Z (Br.)
212645 ACIONADOR 40837Z (Pr.)



212036 ACIONADOR ELÉTRICO DUPLO
PROJ.BASC. 240VAC



Central de comando (miniatura) para motores 100 – 240 VAC



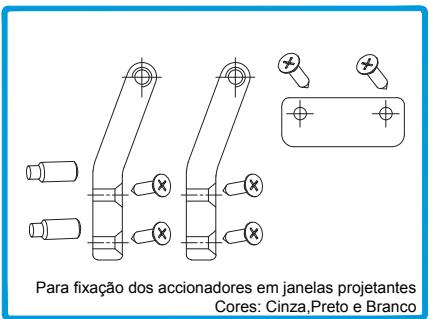
212647 ACIONADOR ELÉTRICO SINCRON.
240VAC



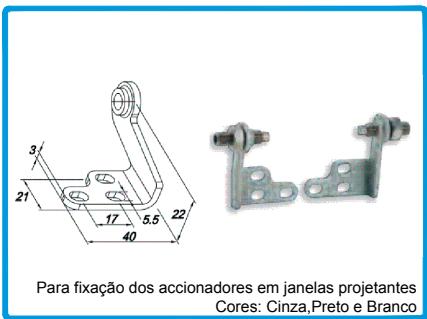
212648 ACIONADOR ELÉTRICO SINCRON.
24VDC



214269 COMANDO DIST. RF P1



Para fixação dos accionadores em janelas projetantes
Cores: Cinza,Preto e Branco



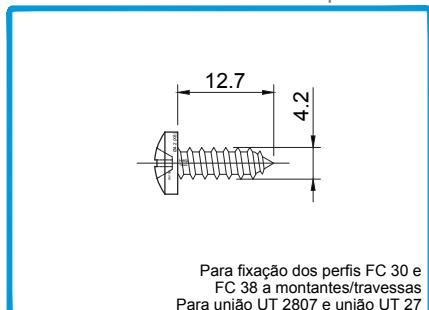
Para fixação dos accionadores em janelas projetantes
Cores: Cinza,Preto e Branco

223469 KIT FIX. ACIONADOR 40941H (Cnz.)
223471 KIT FIX. ACIONADOR 40942I (Pr.)
223472 KIT FIX. ACIONADOR 40943J (Br.)

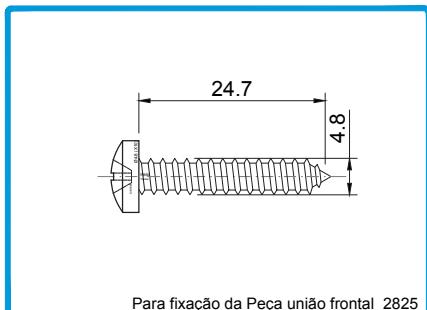
223120 KIT FIX. ACIONADOR 41901I (Cnz.)
223121 KIT FIX. ACIONADOR 41902J (Pr.)
223122 KIT FIX. ACIONADOR 41903K (Br.)

ACESSÓRIOS DIVERSOS

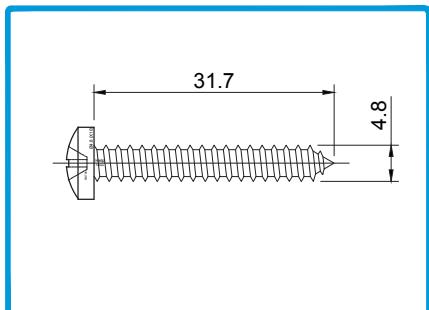
DIVERSE ACCESSORIES | ACCESSOIRES DIVERS



290111 PARAFILOSO CO 4 2X13 INOX A2



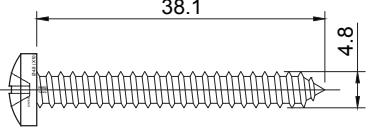
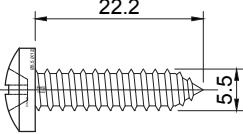
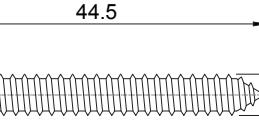
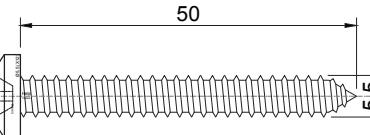
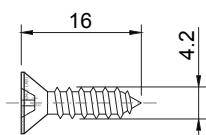
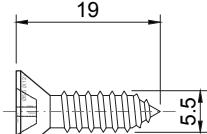
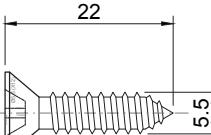
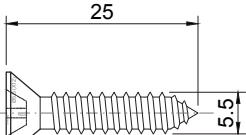
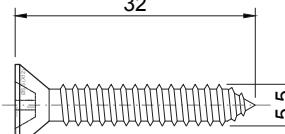
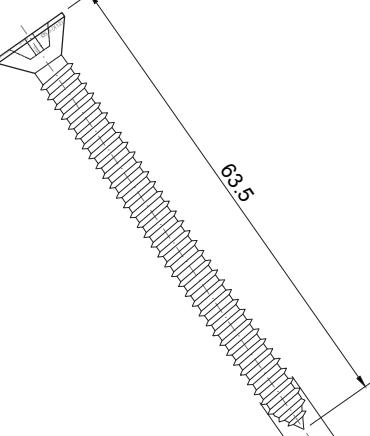
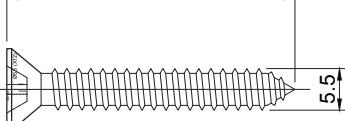
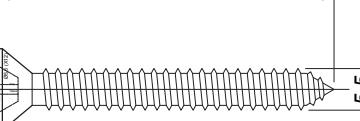
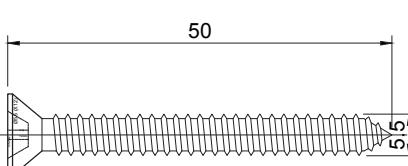
200403 PARAF PKI PH 1 x 10 CO



290165 PARAFUSO PK INOX PH 1 1/4x10 CO

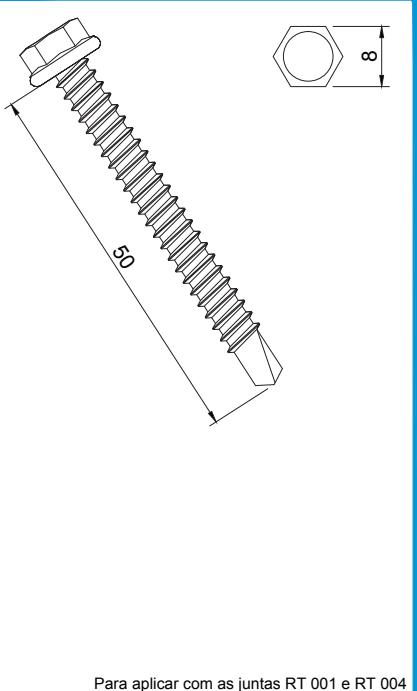
ACESSÓRIOS DIVERSOS

DIVERSE ACCESSORIES | ACCESSOIRES DIVERS

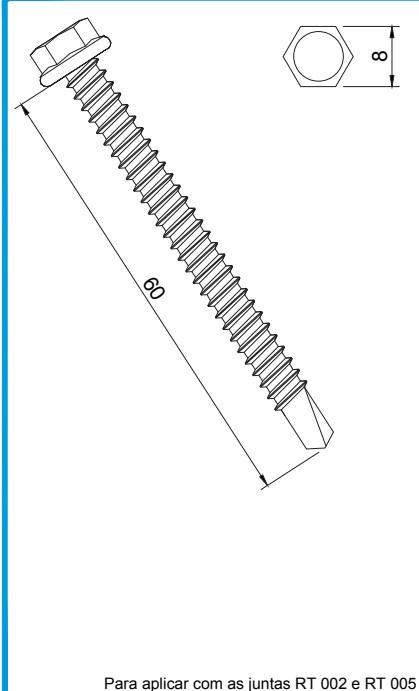
 <p>290262 PARAFUSO PAR 003 PK INOX PH 1 1/2x10 CQ</p>	 <p>290226 PARAFUSO PAR 004 PK INOX PH 7/8x12 CQ</p> <p>Para fixação do perfil FC 04 sem junta RT 001 Aplicar com anilha AN 001</p>	 <p>290264 PARAFUSO PAR 005 PK 1 3/4x12 CQ</p> <p>Para união UT 2807 com FC 02, FC 01 e FC 24</p>
 <p>290547 PARAFUSO PK INOX PH 2x12 CQ</p>	 <p>290739 PARAF PKI PH 5/8 x 8 CX</p> <p>Para união UT 27</p>	 <p>290045 PARAFUSO DIN7982 5,5x19 INOX</p> <p>Aplicar nos perfis FC 01, 02 e 24 com os perfis FC 70 ou 72, em ângulos côncavos Material: Inox</p>
 <p>290046 PARAFUSO DIN7982 5,5x22 INOX</p> <p>Aplicar nos perfis FC 34, 40 e 44 com os perfis FC 70 ou 72, em ângulos côncavos Aplicar nos perfis FC 01, 02 e 24 com os perfis FC 71 ou 73, em ângulos convexos Material: Inox</p>	 <p>290047 PARAFUSO DIN7982 5,5x25 INOX</p> <p>Aplicar nos perfis FC 01, 02, 24, 34, 40 e 44 com os perfis FC 71, 73, 74 ou 75, em ângulos côncavos Aplicar nos perfis FC 01, 02, 24, 34, 40 e 44 com os perfis FC 71 ou 73, em ângulos convexos Material: Inox</p>	 <p>290048 PARAFUSO DIN7982 5,5x32 INOX</p> <p>Aplicar nos perfis FC 34, 40 e 44 com os perfis FC 71 ou 73, em ângulos convexos Material: Inox</p>
 <p>290062 PARAFUSO DIN7982 5,5X63 INOX A2</p> <p>Para aplicação das Peças de Fix. Frontal p/ Juntas RT 002 e RT 003 Material: Inox Acabamento: Inox</p>	 <p>290025 PARAFUSO DIN7982 5,5X38 INOX A2</p> <p>Material: Inox Acabamento: Inox</p>	 <p>290027 PARAFUSO DIN7982 5,5X45 INOX A2</p> <p>Material: Inox Acabamento: Inox</p>
 <p>290026 PARAFUSO DIN7982 5,5X50 INOX A2</p> <p>Material: Inox Acabamento: Inox</p>		

ACESSÓRIOS DIVERSOS

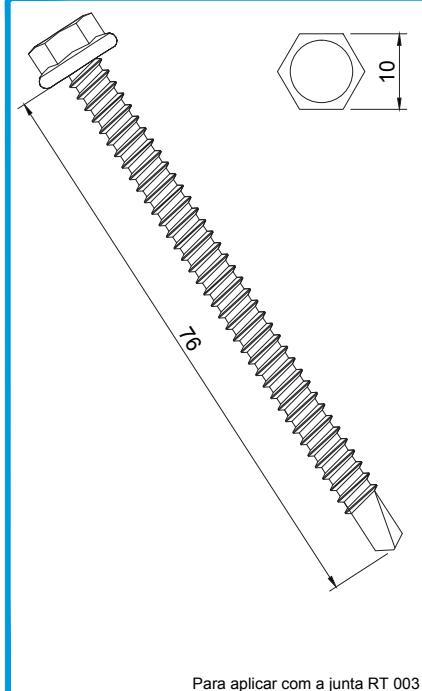
DIVERSE ACCESSORIES | ACCESSOIRES DIVERS



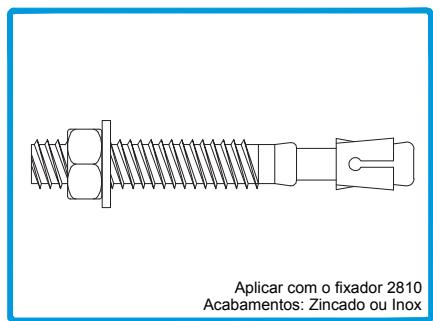
Para aplicar com as juntas RT 001 e RT 004
290459 PARAFUSO DIN7504 5.5x50 Dmet



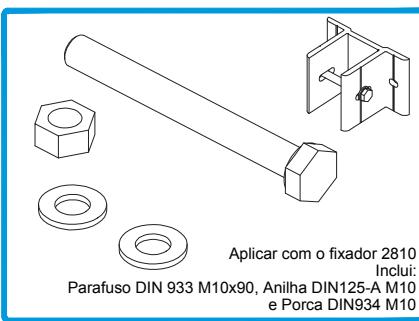
Para aplicar com as juntas RT 002 e RT 005
290460 PARAFUSO DIN7504 5.5x60 Dmet



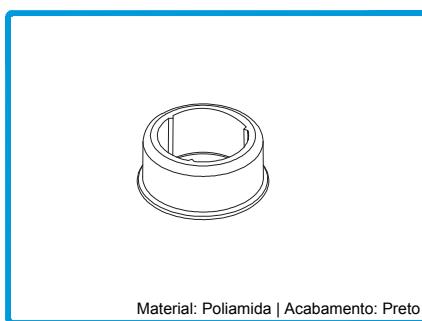
Para aplicar com a junta RT 003
290461 PARAFUSO DIN7504 6.3X76 Dmet



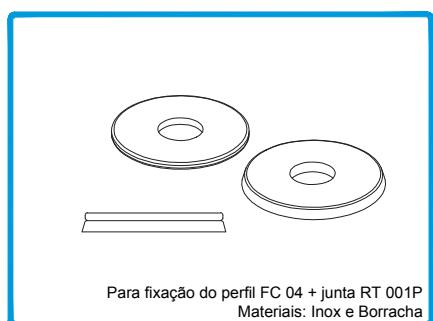
Aplicar com o fixador 2810
Acabamentos: Zincado ou Inox
218124 BUCHA SEGMENTADA M8x75 PAR 101



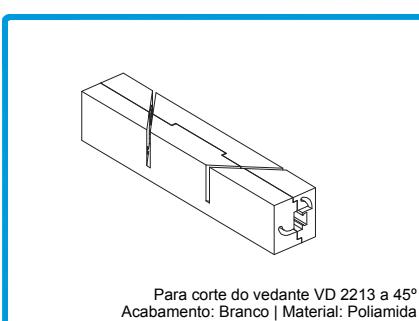
Aplicar com o fixador 2810
Inclui:
Parafuso DIN 933 M10x90, Anilha DIN125-A M10
e Porca DIN934 M10
290014 PARAFUSO PAR 100 INOX



Material: Poliamida | Acabamento: Preto
299116 ARANDELA 8MM 11044 PRT



Para fixação do perfil FC 04 + junta RT 001P
Materiais: Inox e Borracha
217104 ANILHA COLADA 6.3 AN 001



Para corte do vedante VD 2213 a 45°
Acabamento: Branco | Material: Poliamida
211604 GABARITO CORTE VD 2213 FC



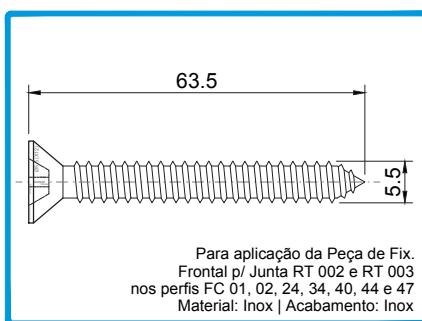
Largura 40mm x Espessura 3mm
Rolo: 10m
221120 FITA ADESIVA EPDM ESPONJOSO 40x3



Junta de vedação elástica, resistente aos U.V.
Impede a corrosão de penetrar pelas zonas cortadas.
208019 SELA JUNTAS 150gr. (Cinza)



Limpeza de alumínio lacado ou anodizado
Para preparação das superfícies a serem unidas
e limpeza final
208704 PRODUTO LIMPEZA DE ALUMÍNIO (1L) Transparente



Para aplicação da Peça de Fix.
Frontal p/ Junta RT 002 e RT 003
nos perfis FC 01, 02, 24, 34, 40, 44 e 47
Material: Inox | Acabamento: Inox
000000 PARAFUSO DIN7982 5,5x60 INOX



Leirilis | Leiria | GARQ Arquitetura engenharia interiores | Foto Silva Resende | FC Estrutural

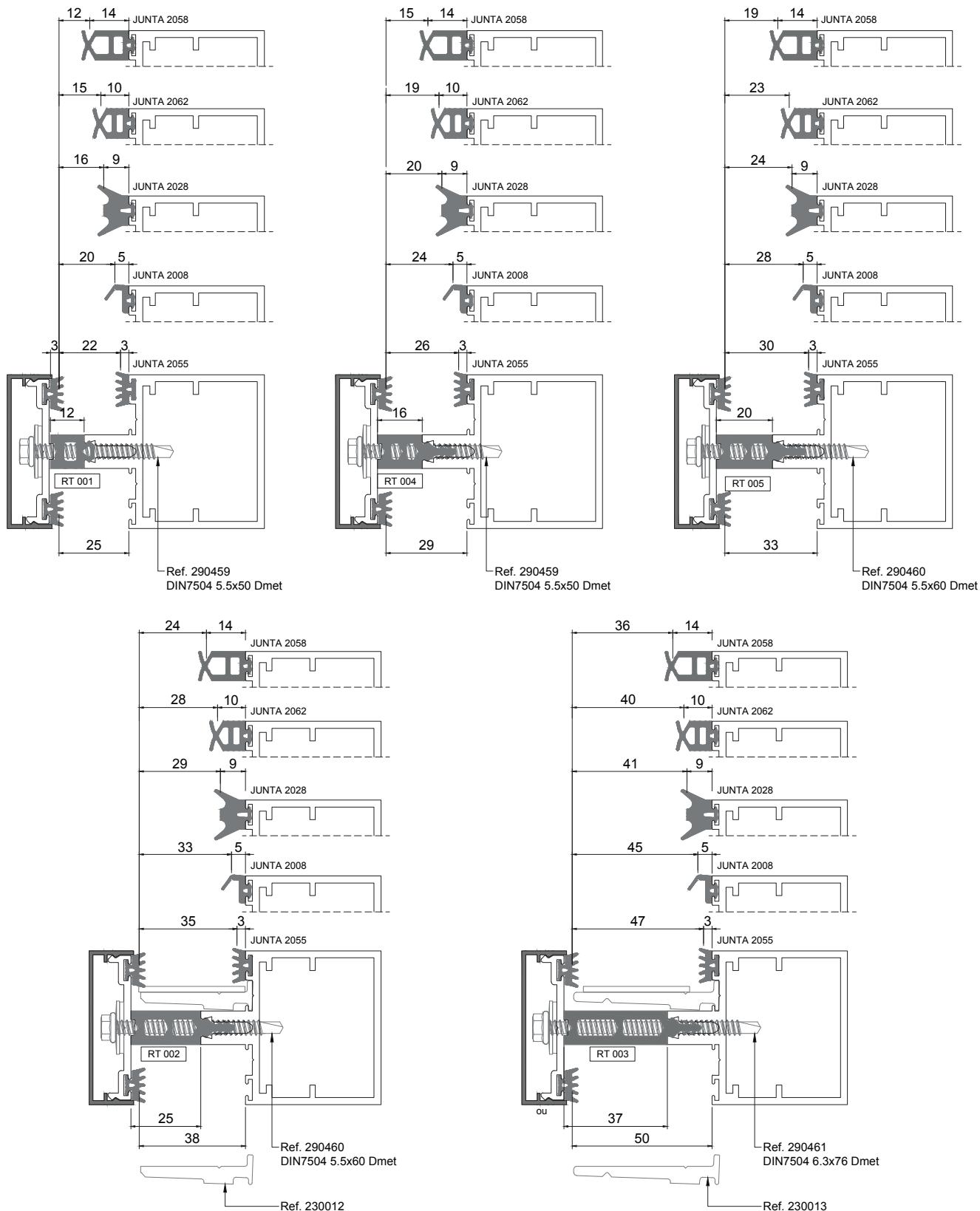
IV

TIPOLOGIAS FC-ESTRUTURAL FC-CAPPED CURTAIN WALL TYPOLOGIES TYPOLOGIES FC-MUR RIDEAU TRAME TRADITIONNELLE

FACHADA ESTRUTURAL - TABELA DE ENCHIMENTO

CAPPED CURTAIN WALL - GLAZING TABLE

MUR RIDEAU - TABLE DE VITRAGE



Nota: Na utilização das juntas RT002 ou RT003 aplicar os suportes FC auto-portantes para suporte dos vidros juntamente com o calço para vidro 79x40x2mm.

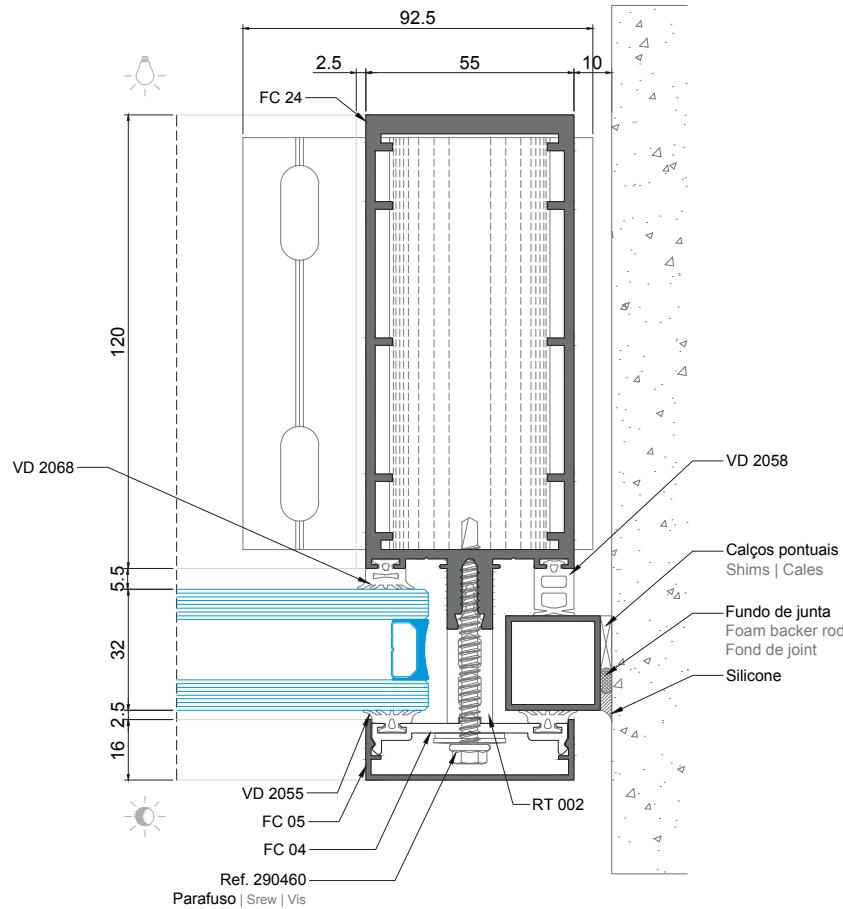
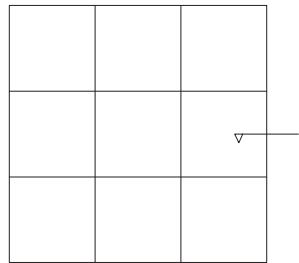
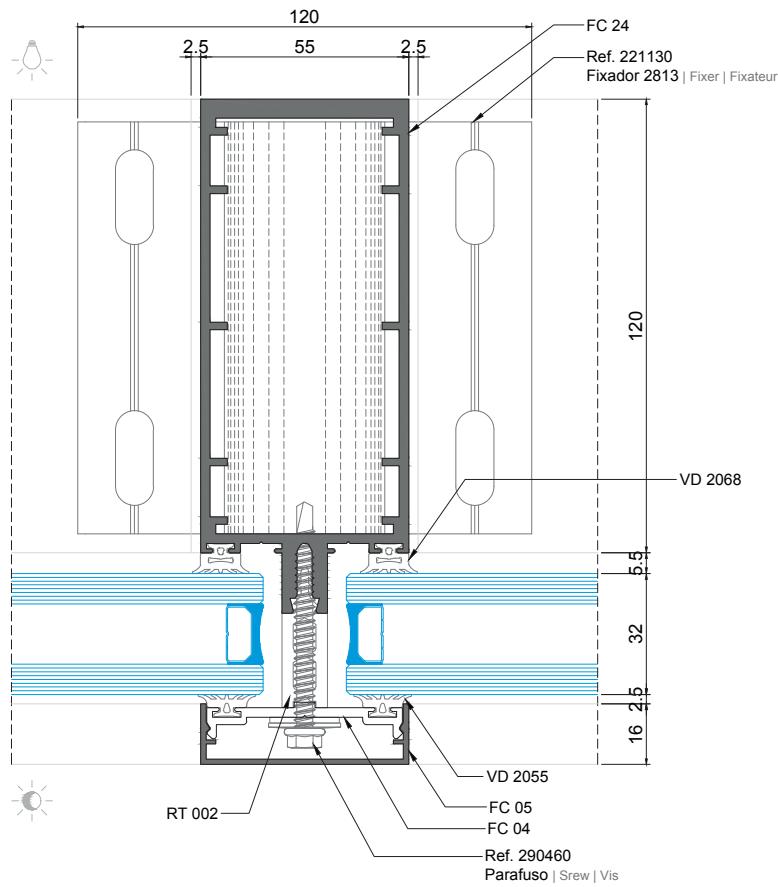
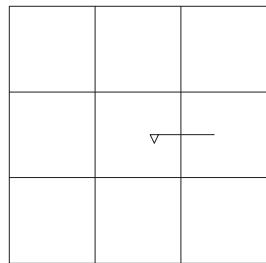
Note: When using the joints RT002 or RT003, apply the self-supporting FC brackets to support the glazing along with the glass shim 79x40x2mm

Remarque : En cas d'utilisation des joints RT002 ou RT003, appliquer les supports autoportants FC pour soutenir le vitrage avec la brique de verre 79x40x2mm.

FACHADA ESTRUTURAL

CAPPED CURTAIN WALL

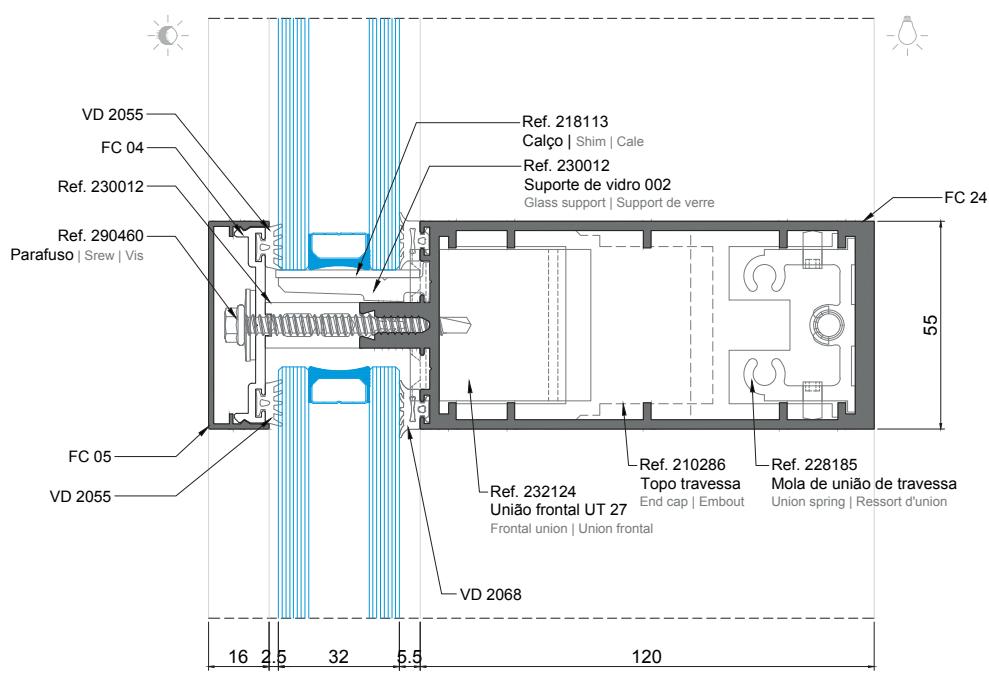
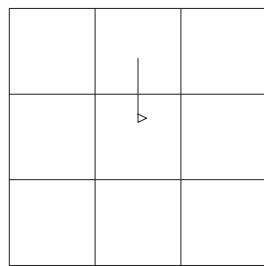
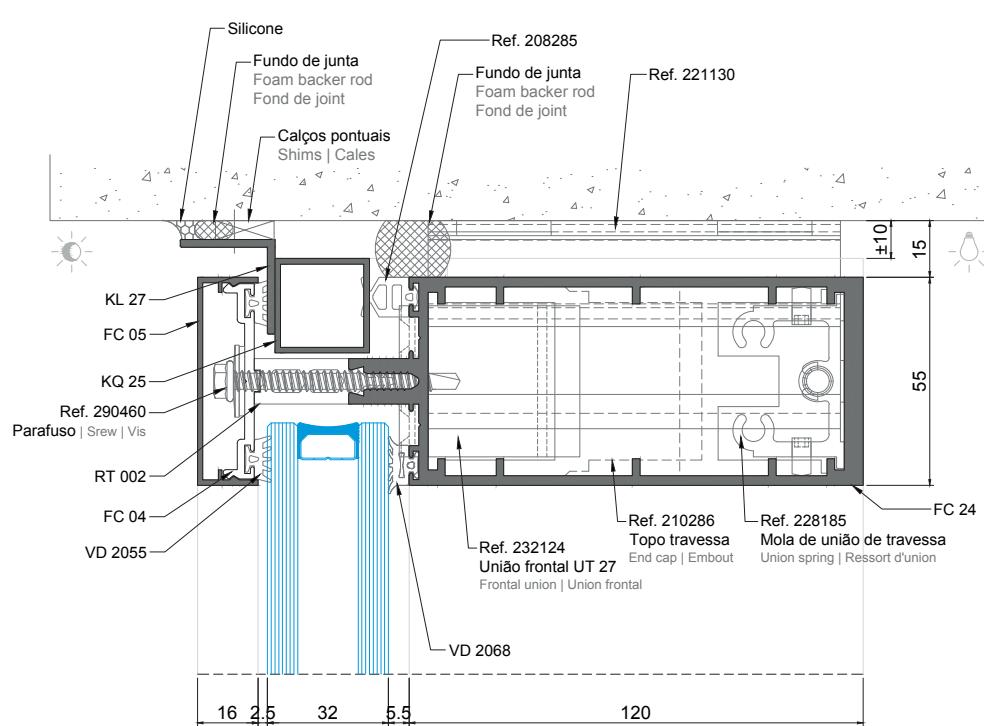
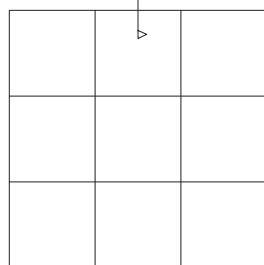
MUR RIDEAU - TRAME TRADITIONNELLE



FACHADA ESTRUTURAL

CAPPED CURTAIN WALL

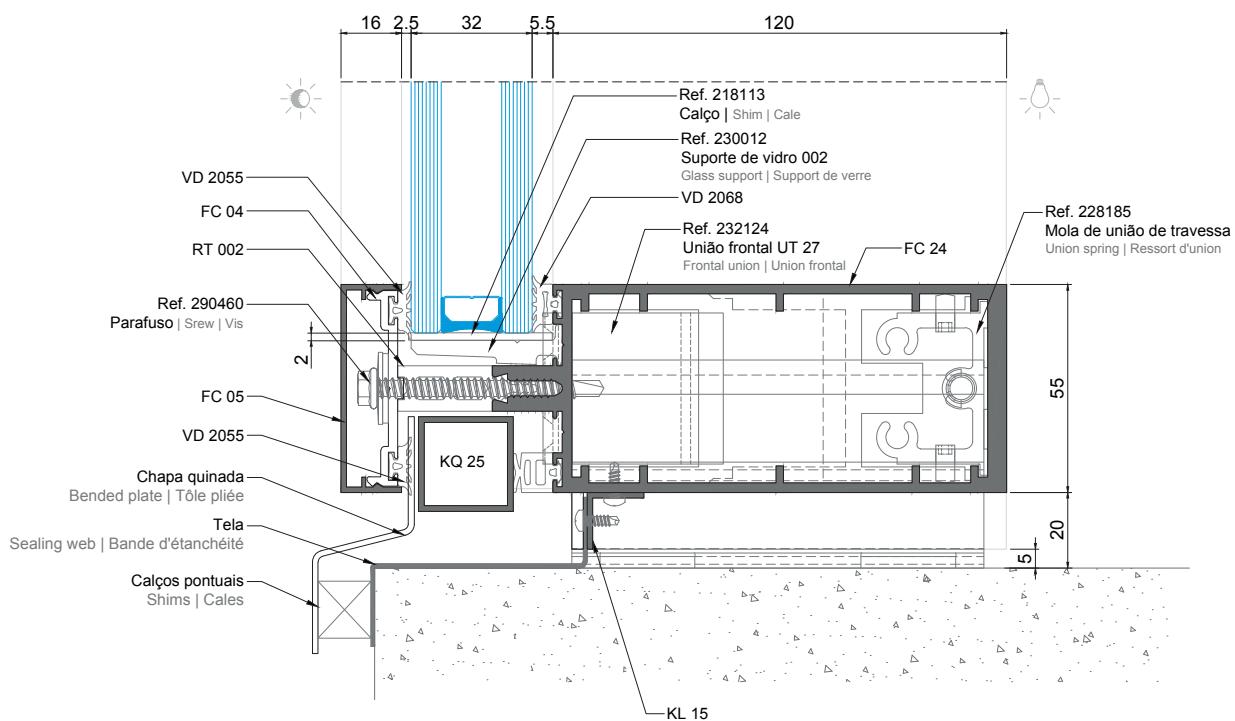
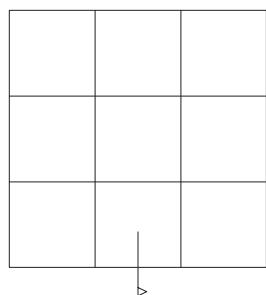
MUR RIDEAU - TRAME TRADITIONNELLE



FACHADA ESTRUTURAL

CAPPED CURTAIN WALL

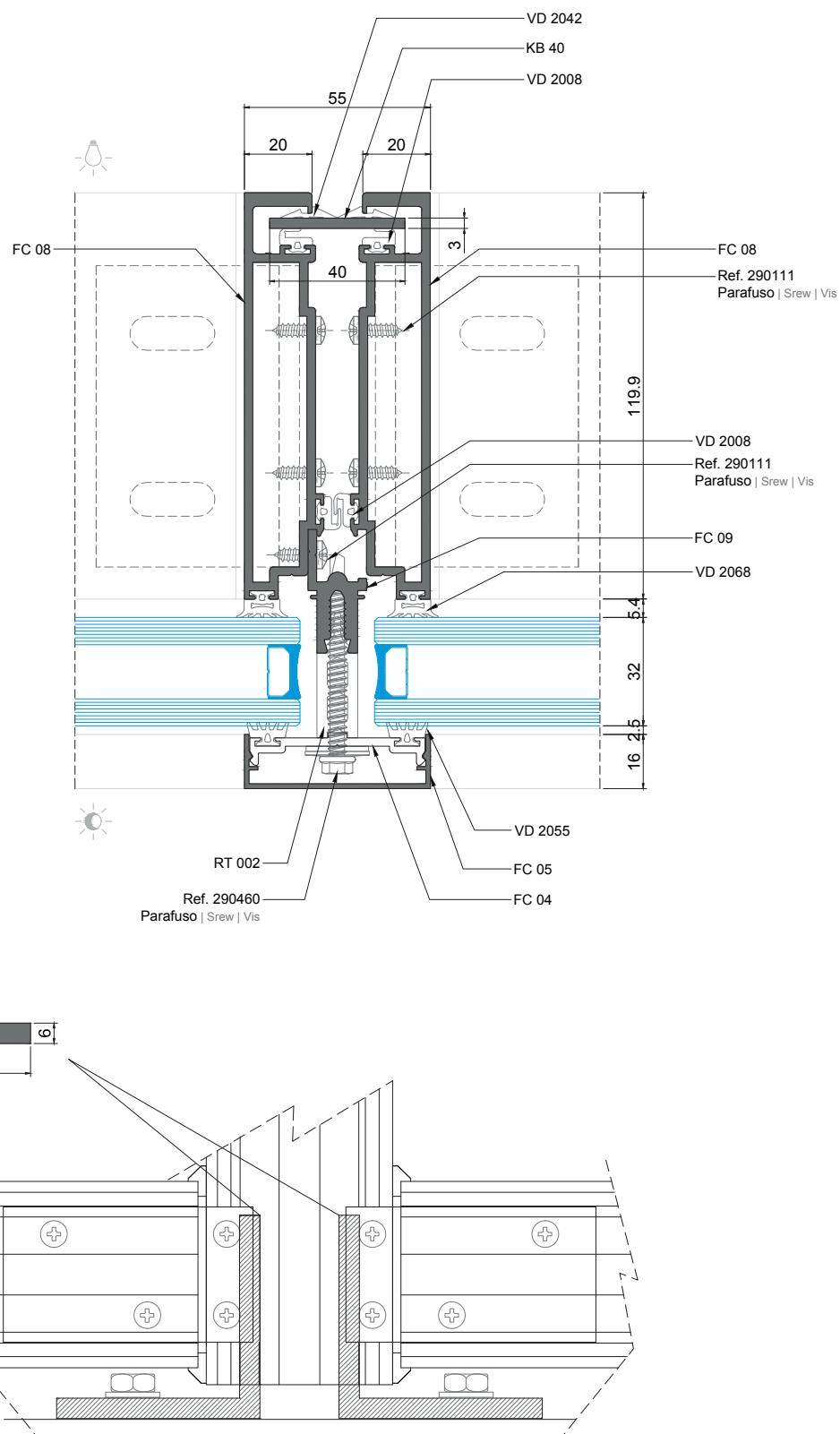
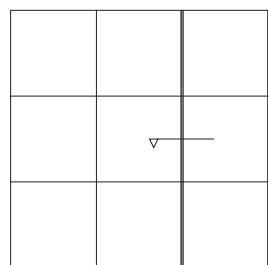
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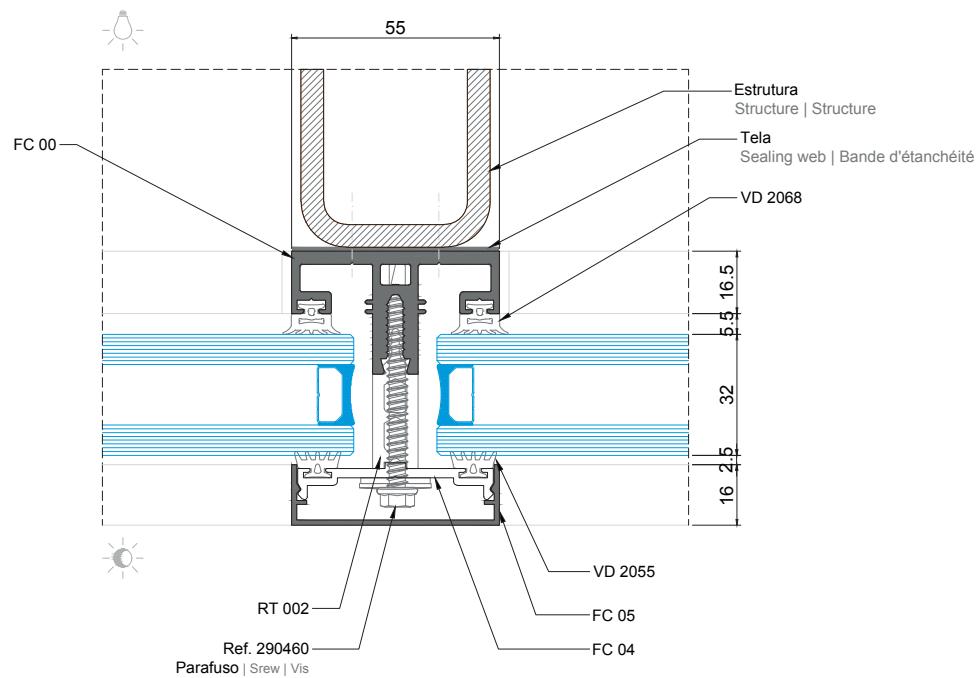
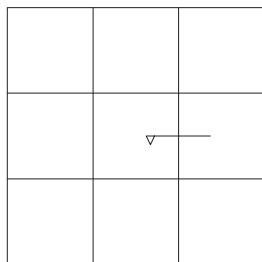
FACHADA ESTRUTURAL

CAPPED CURTAIN WALL

MUR RIDEAU - TRAME TRADITIONNELLE



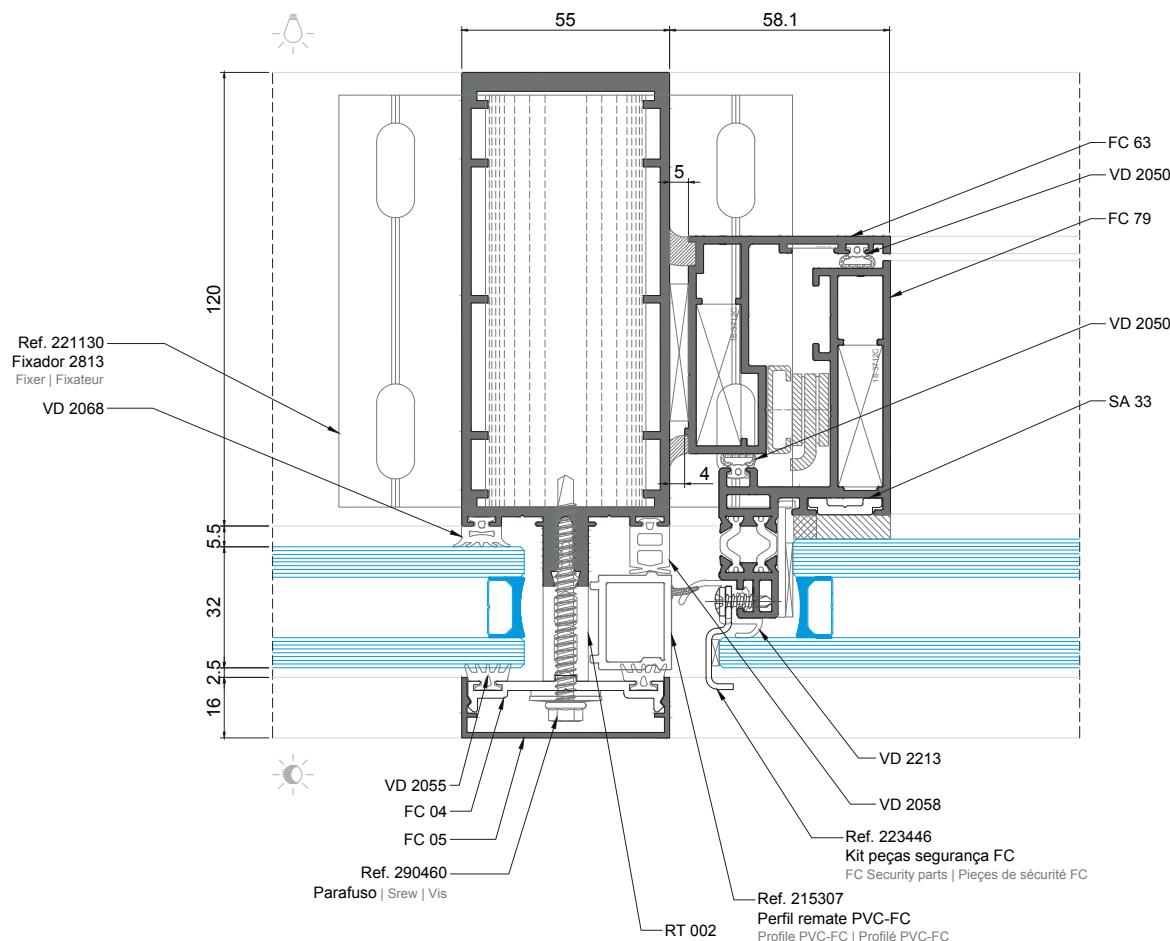
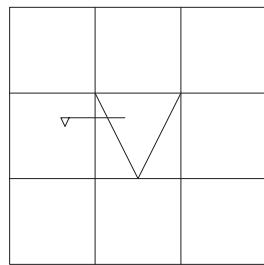
FACHADA ESTRUTURAL
CAPPED CURTAIN WALL
MUR RIDEAU - TRAME TRADITIONNELLE



FACHADA ESTRUTURAL

CAPPED CURTAIN WALL

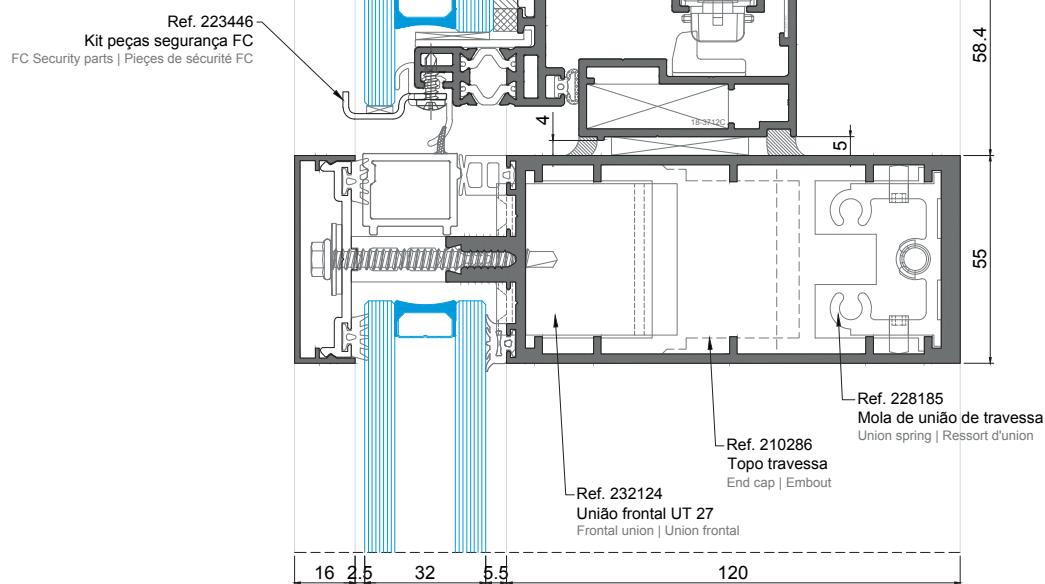
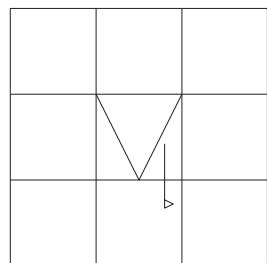
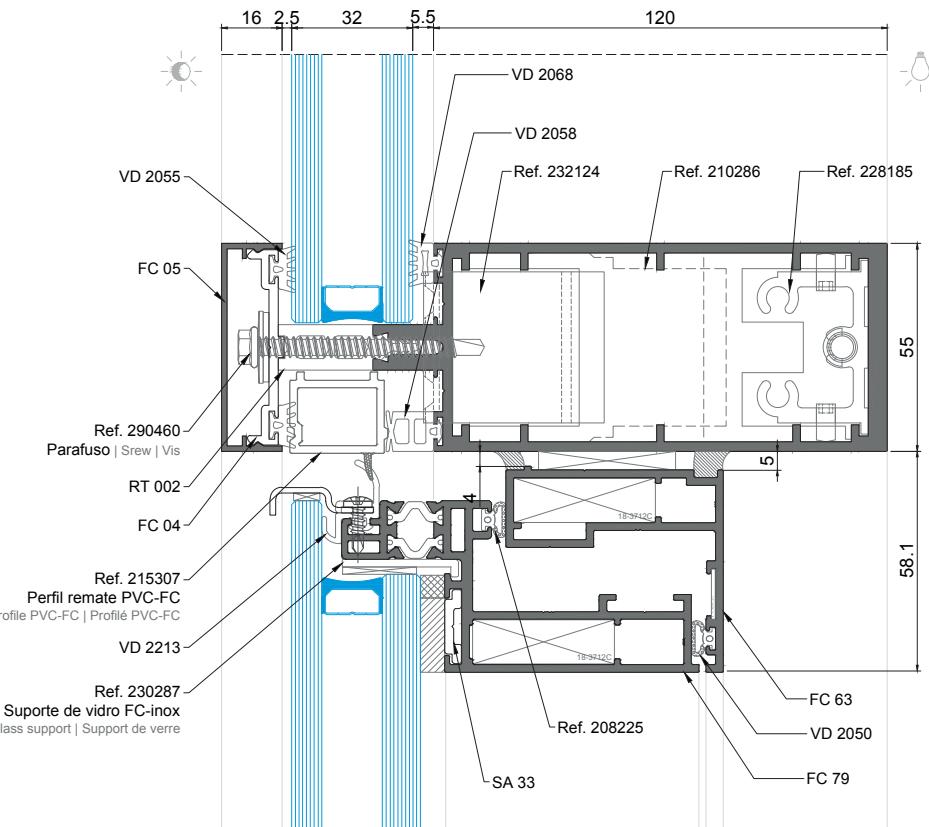
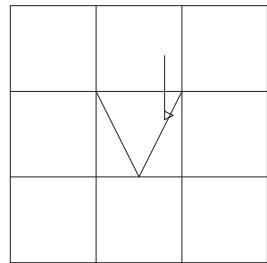
MUR RIDEAU - TRAME TRADITIONNELLE



FACHADA ESTRUTURAL

CAPPED CURTAIN WALL

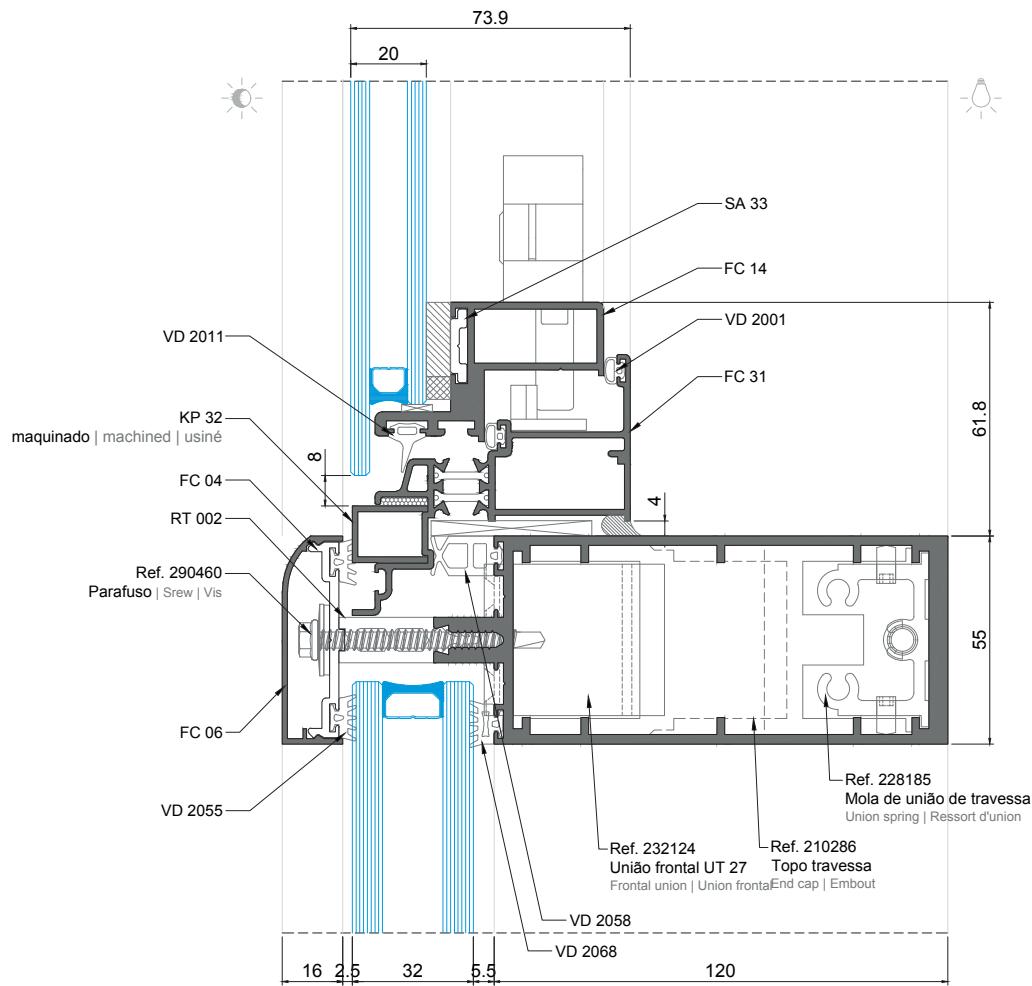
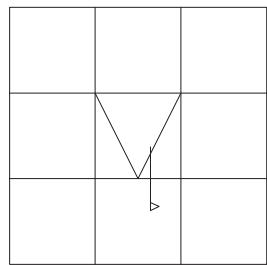
MUR RIDEAU - TRAME TRADITIONNELLE



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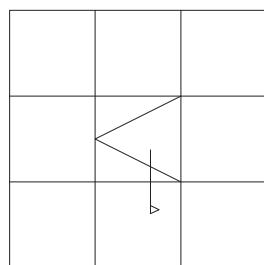
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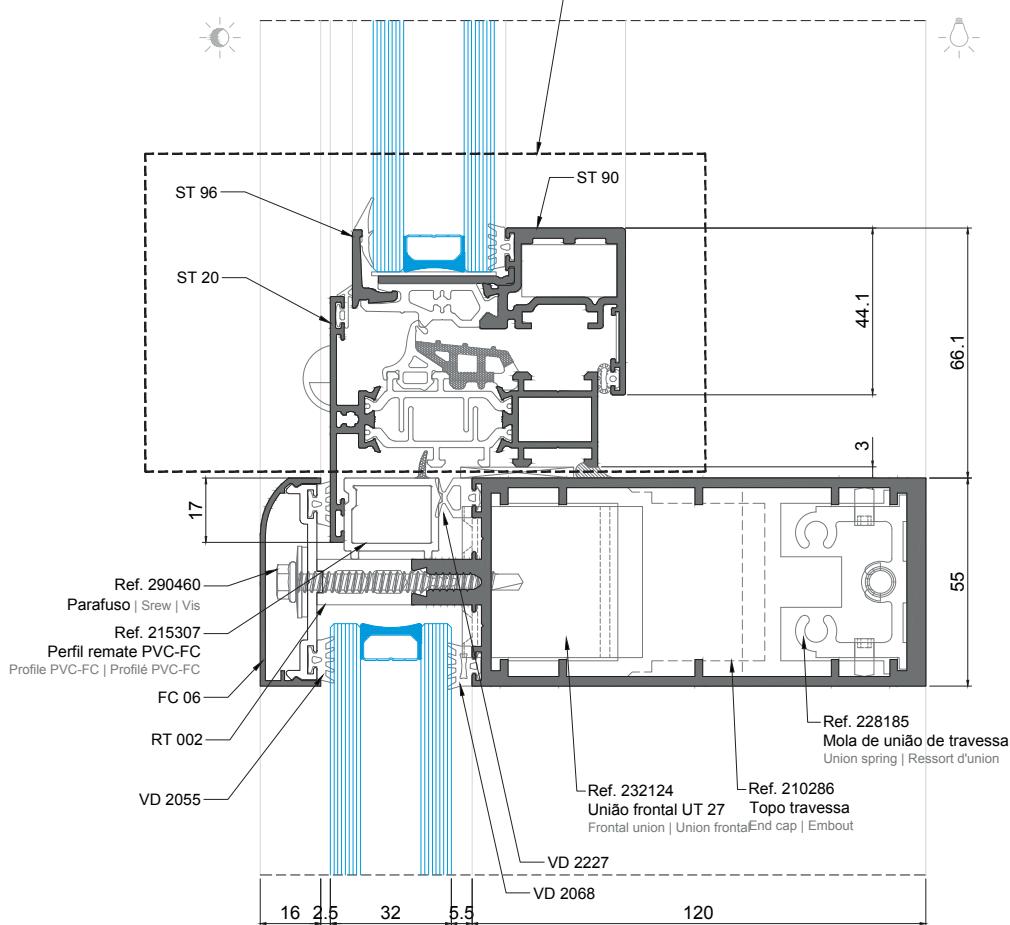
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CAPPED CURTAIN WALL

MUR RIDEAU - TRAME TRADITIONNELLE



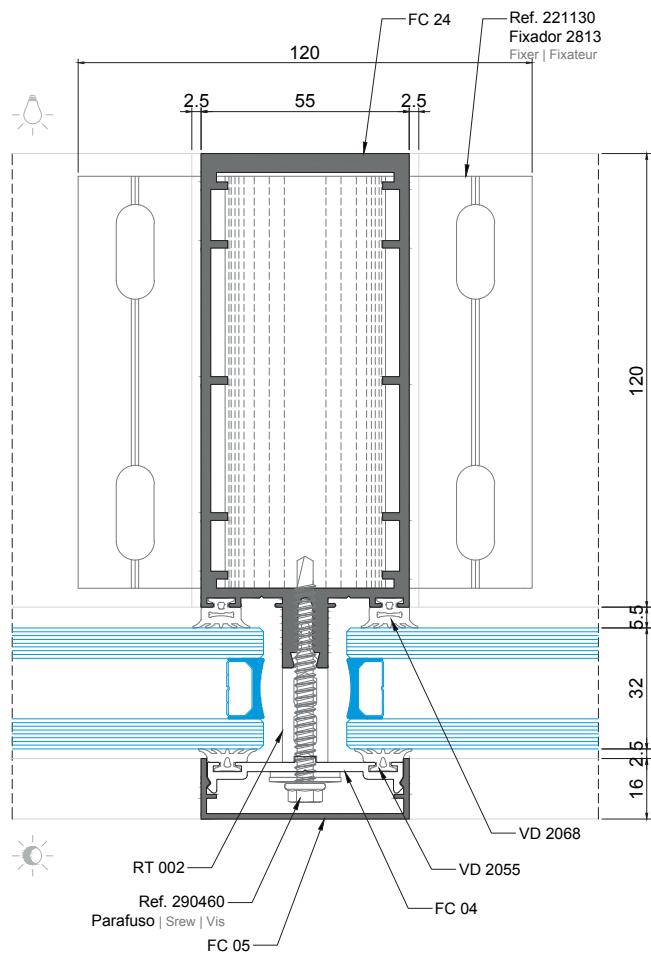
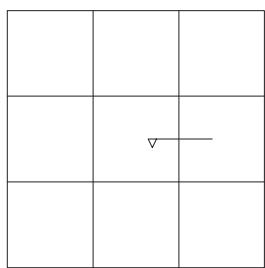
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Consult ST System Technical Catalogue
Consulter le Catalogue Technique du Système ST



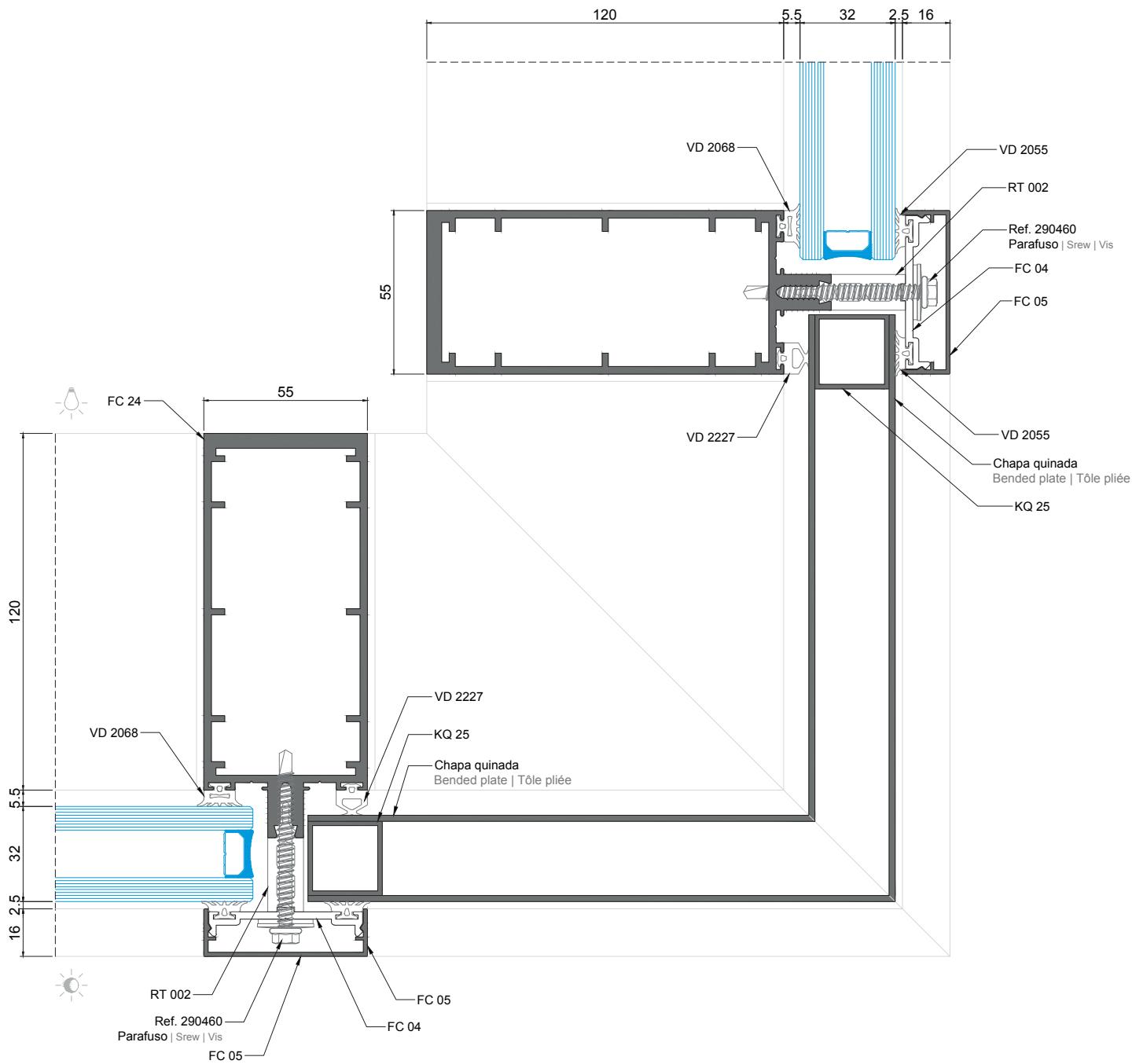
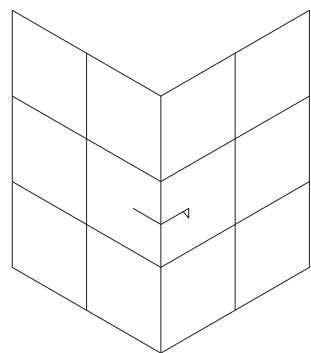
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CAPPED CURTAIN WALL

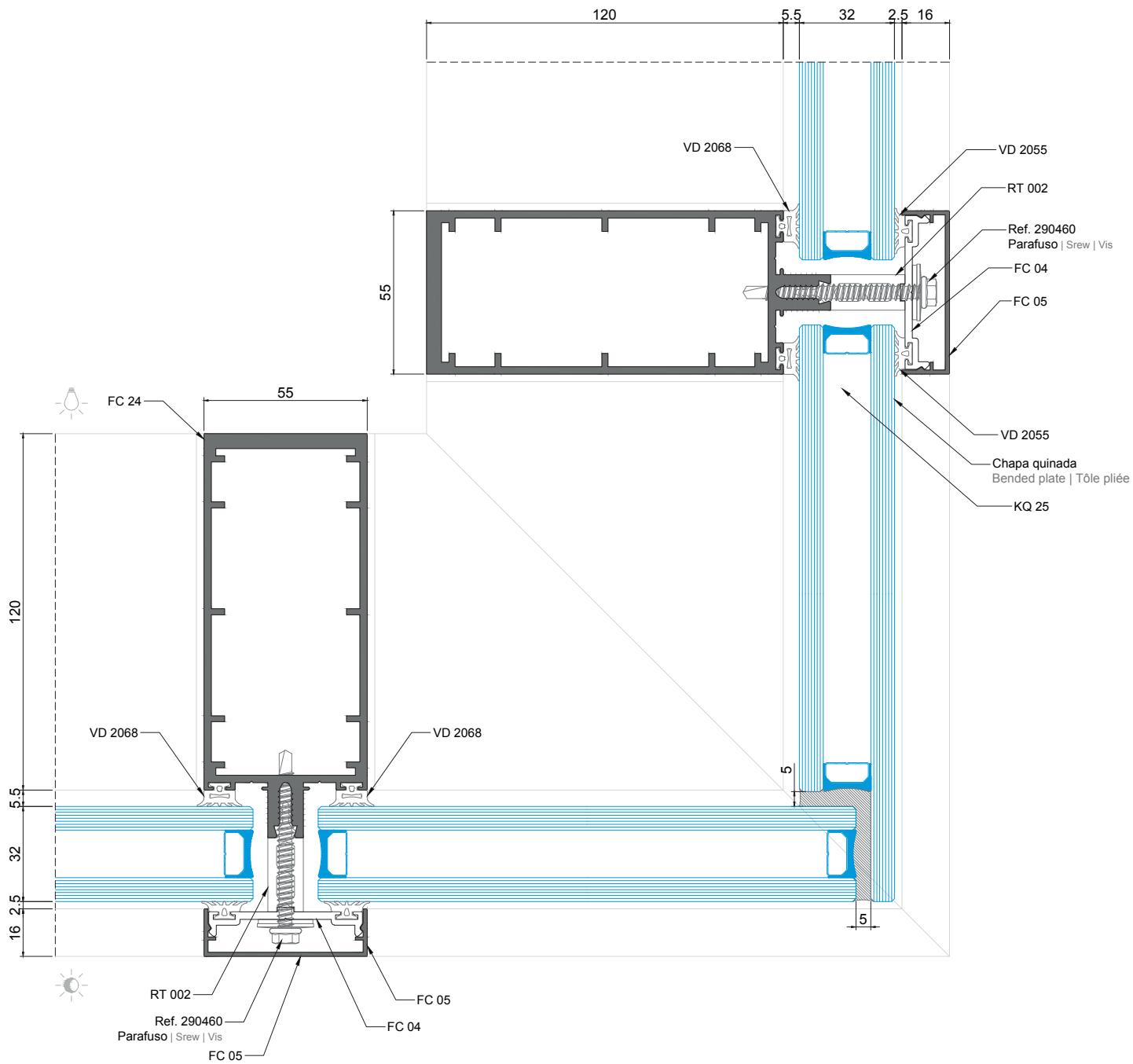
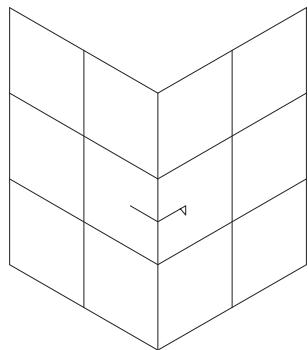
MUR RIDEAU - TRAME TRADITIONNELLE



FACHADA ESTRUTURAL - CANTO CÔNCAVO 90º COM CHAPA
CAPPED CURTAIN WALL - CONCAVE CORNER 90° WITH PLATE
MUR RIDEAU - TRAME TRADITIONNELLE - ANGLE CONCAVE 90° AVEC PLAQUE



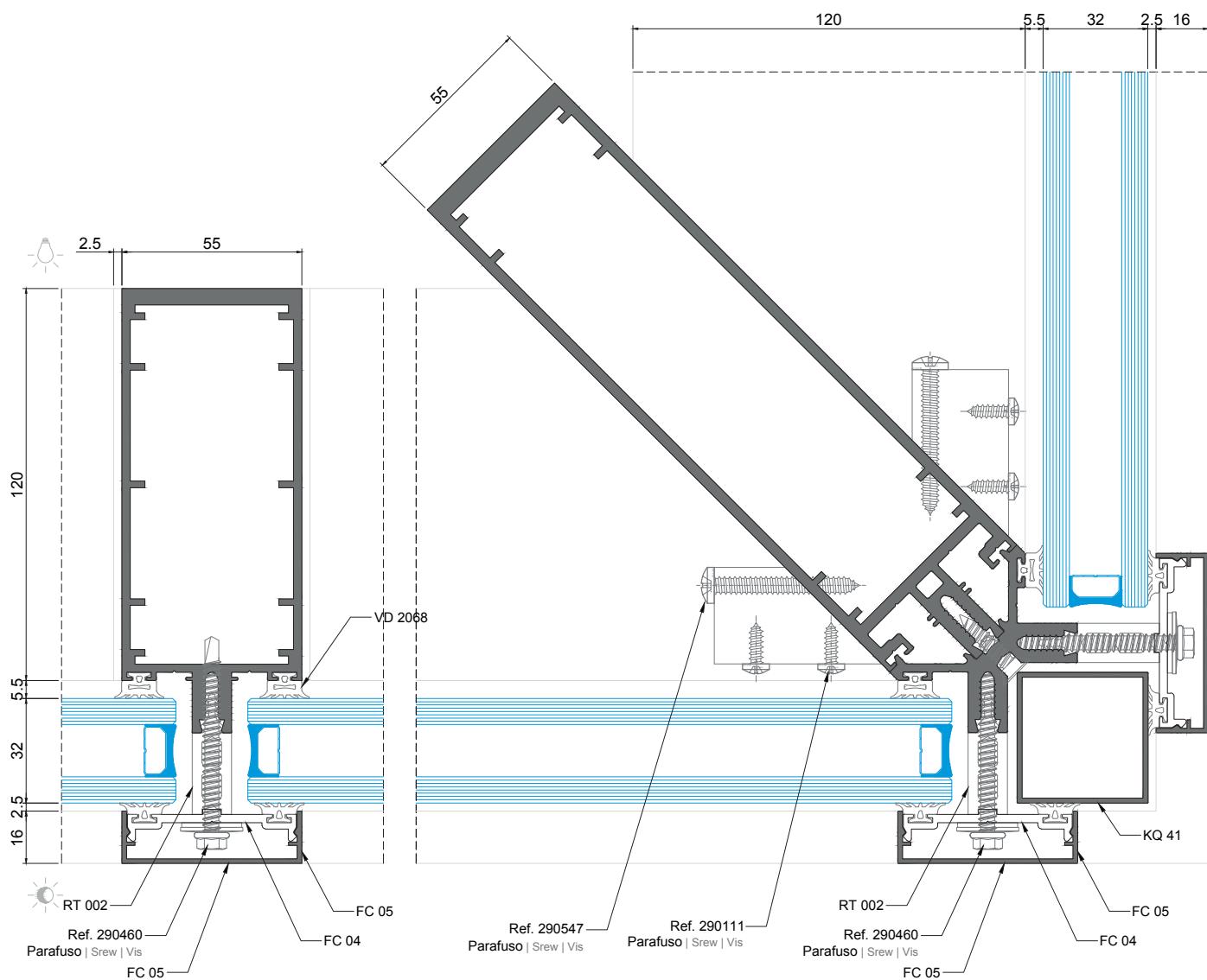
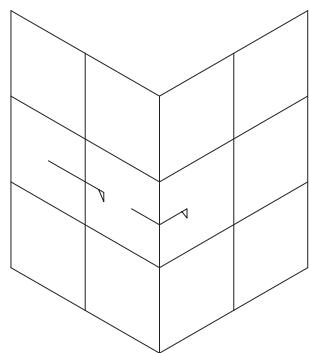
FACHADA ESTRUTURAL - CANTO CÔNCAVO 90º COM VIDRO
CAPPED CURTAIN WALL - CONCAVE CORNER 90° WITH GLASS
MUR RIDEAU - TRAME TRADITIONNELLE - ANGLE CONCAVE 90° AVEC VERRE



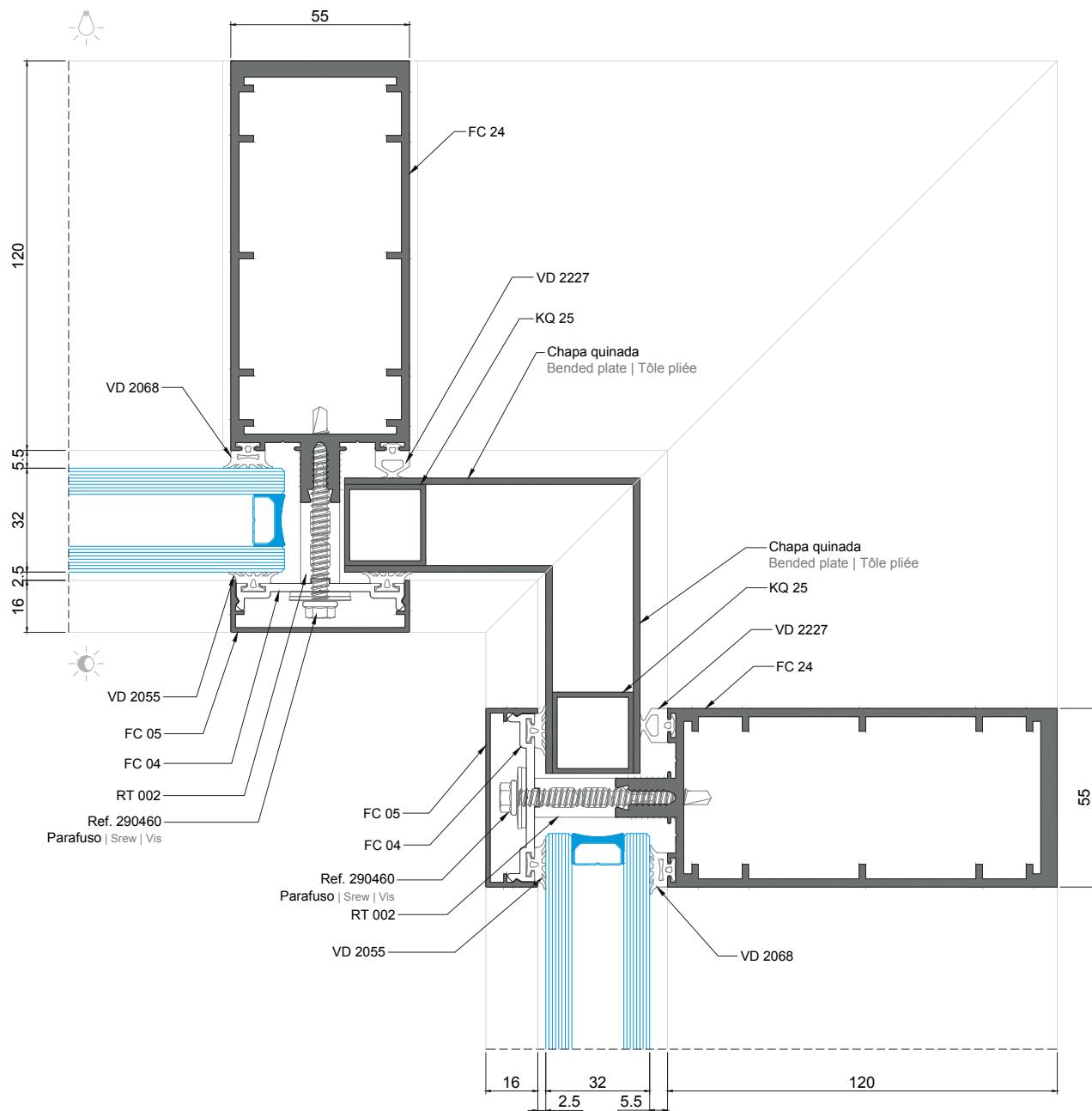
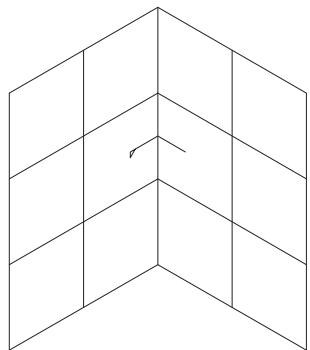
FACHADA ESTRUTURAL - CANTO CÔNCAVO 90° COM FC 42

CAPPED CURTAIN WALL - CONCAVE CORNER 90° WITH FC 42

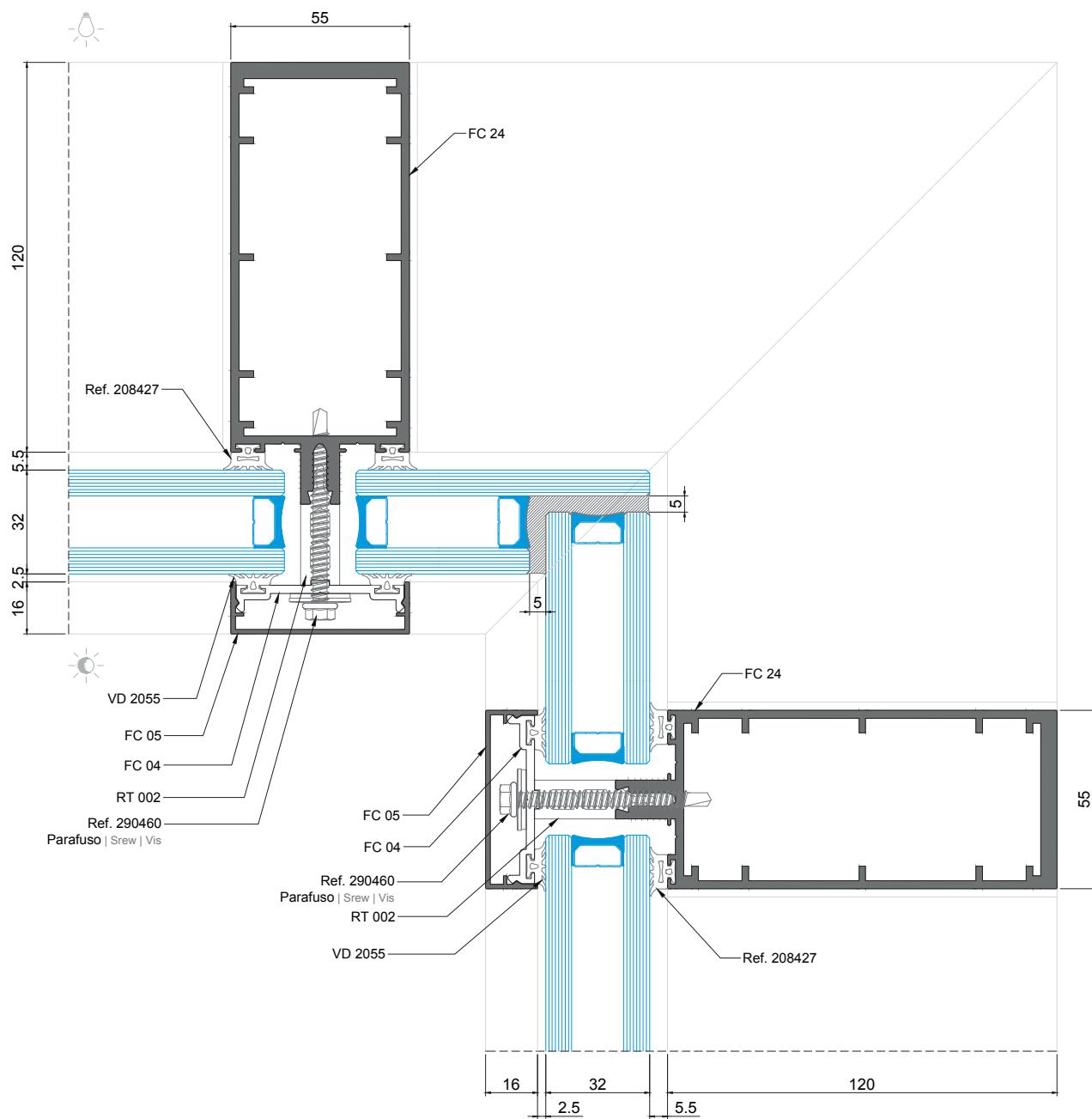
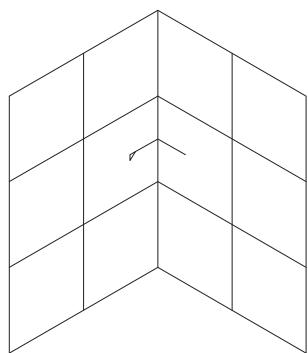
MUR RIDEAU - TRAME TRADITIONNELLE - ANGLE CONCAVE 90° AVEC FC 42



FACHADA ESTRUTURAL - CANTO CONVEXO 90° COM CHAPA
CAPPED CURTAIN WALL - CONVEX CORNER 90° WITH PLATE
MUR RIDEAU - TRAME TRADITIONNELLE - ANGLE CONVEXE 90° AVEC PLAQUE



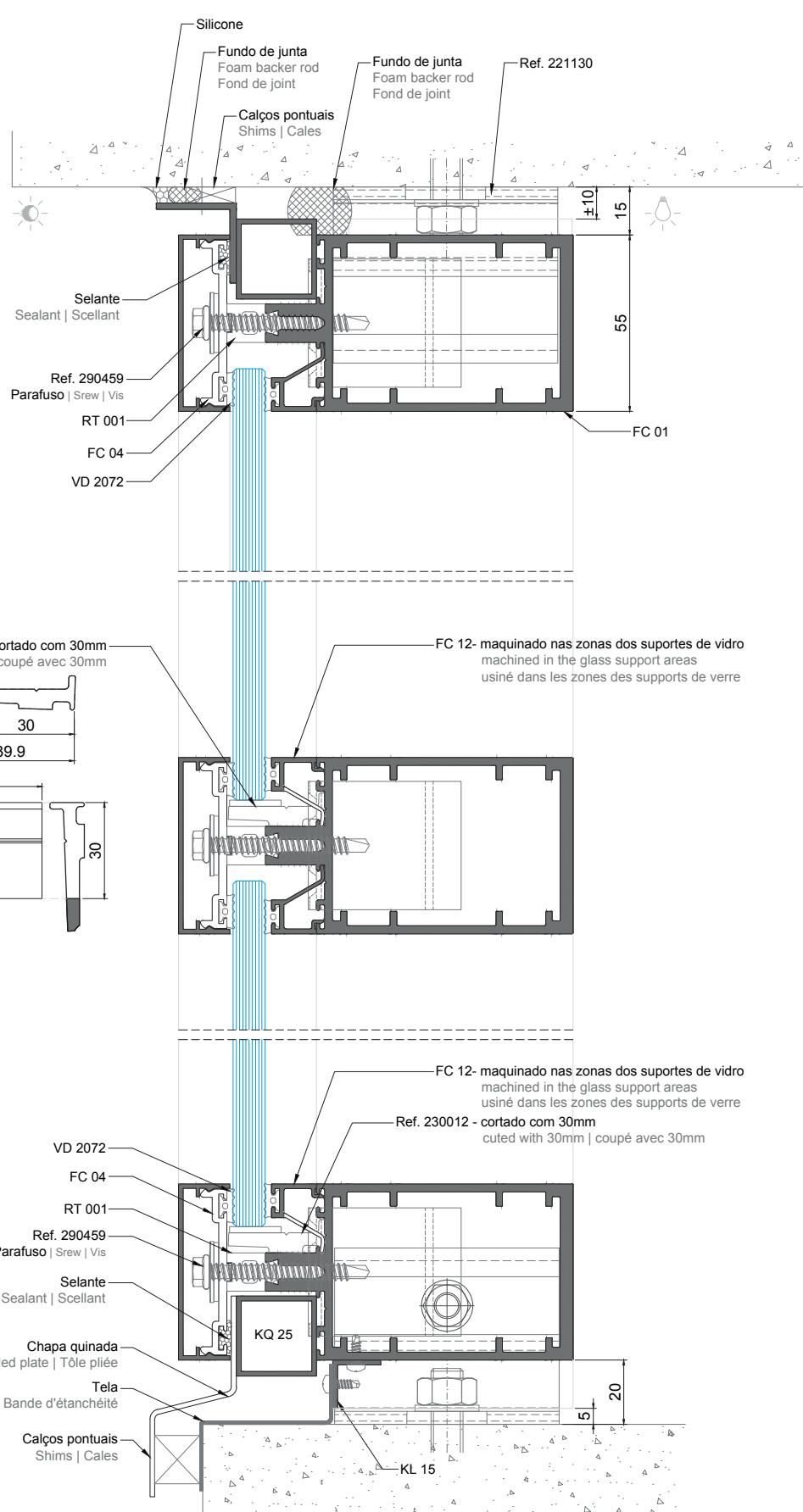
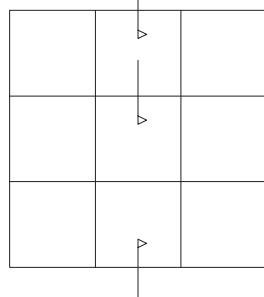
FACHADA ESTRUTURAL - CANTO CONVEXO 90° COM VIDRO
CAPPED CURTAIN WALL - CONVEX CORNER 90° WITH GLASS
MUR RIDEAU - TRAME TRADITIONNELLE - ANGLE CONVEXE 90° AVEC VERRE



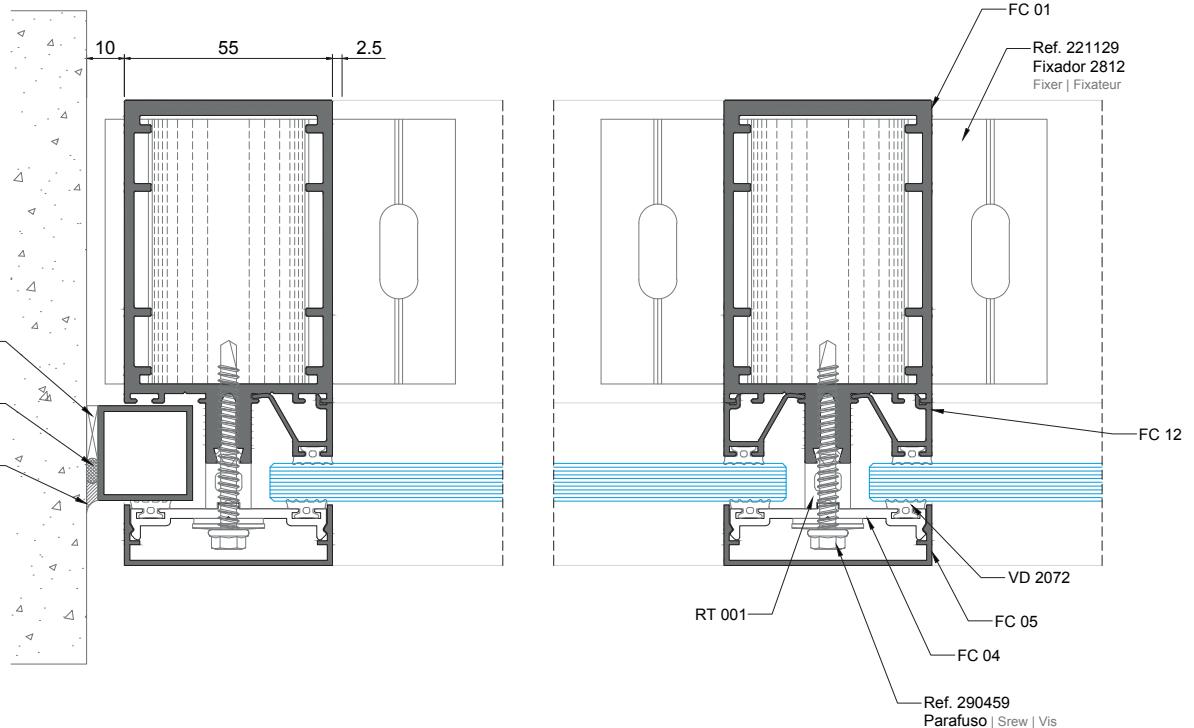
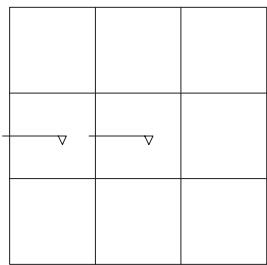
FACHADA ESTRUTURAL - COM VIDRO SIMPLE 10mm

CAPPED CURTAIN WALL - WITH 10mm SIMPLE GLAZING

MUR RIDEAU - TRAME TRADITIONNELLE - AVEC SIMPLE VITRAGE 10mm



FACHADA ESTRUTURAL - COM VIDRO SIMPLE 10mm
CAPPED CURTAIN WALL - WITH 10mm SIMPLE GLAZING
MUR RIDEAU - TRAME TRADITIONNELLE - AVEC SIMPLE VITRAGE 10mm



FACHADA ESTRUTURAL

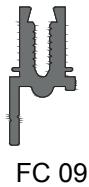
CAPPED CURTAIN WALL

MUR RIDEAU - TRAME TRADITIONNELLE

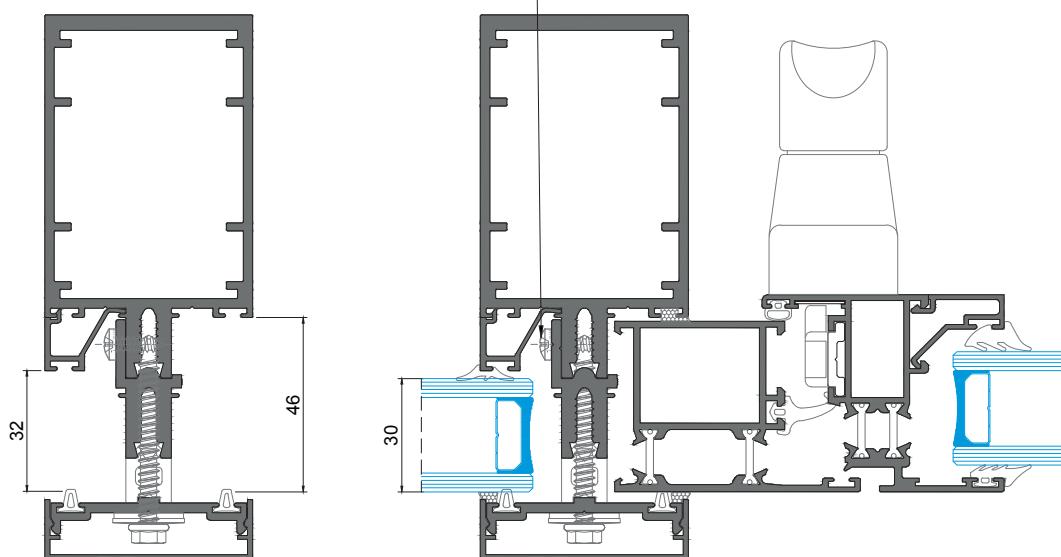
APLICAÇÃO DO PERFIL FC 09 PARA AUMENTAR COTA DE ENCHIMENTO
 NÃO PERMITE APPLICAR FOLHA PROJETANTE OCULTA

FC 09 PROFILE APPLICATION TO INCREASE THE FILLING THICKNESS
 DOES NOT ALLOW THE USE OF CONCEALED AWNING SASH

APPLICATION DU PROFIL FC 09 POUR AUGMENTER LE REMPLISSAGE
 NE PERMET PAS L'UTILISATION D'UN CADRE Á L'ITALIENNE CACHÉ



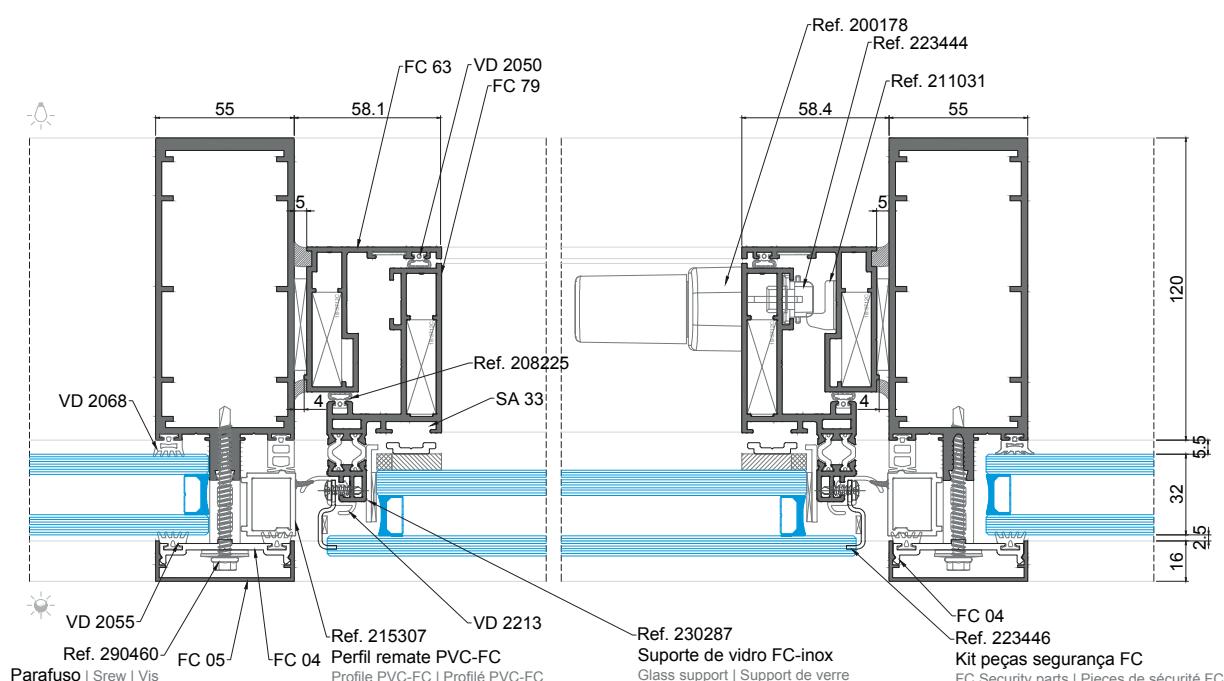
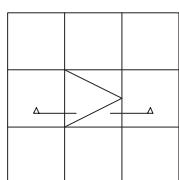
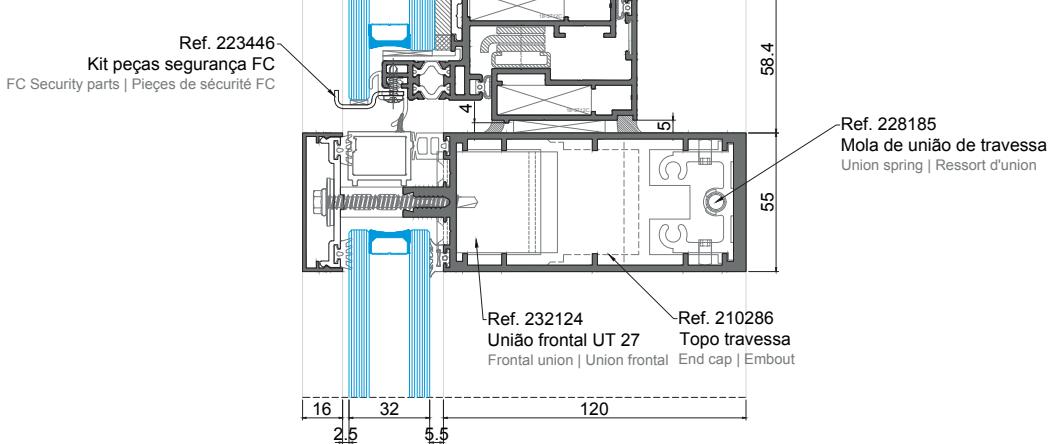
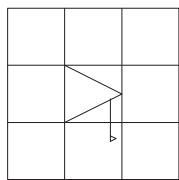
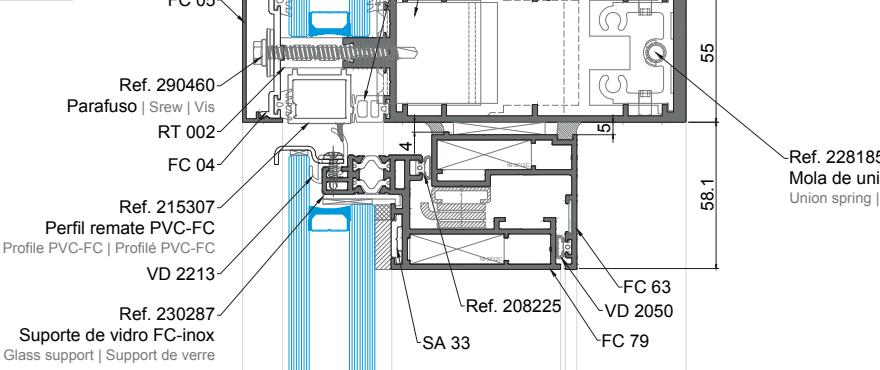
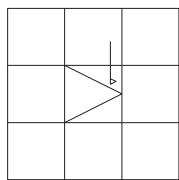
Parafuso | Screw | Vis CQ 4.2X13 INOX A2
 Fixar em intervalos de 250mm
 Fix every 250mm | Fixation à tous les 250 mm



FACHADA ESTRUTURAL - SOLUÇÃO SIDE HUNG

CAPPED CURTAIN WALL - SIDE HUNG SOLUTION

MUR RIDEAU - TRAME TRADITIONNELLE - SIDE HUNG SOLUTION



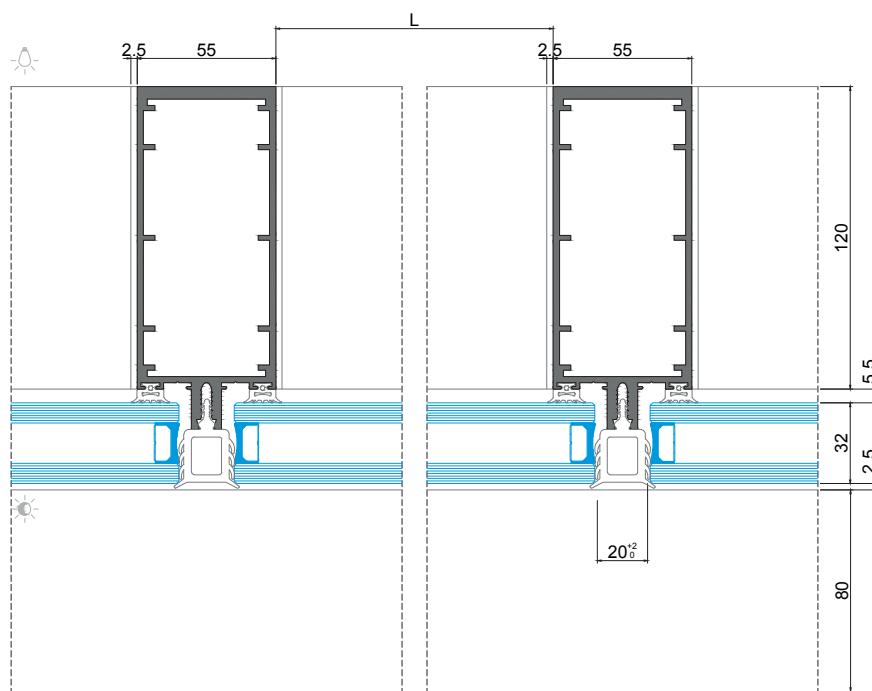
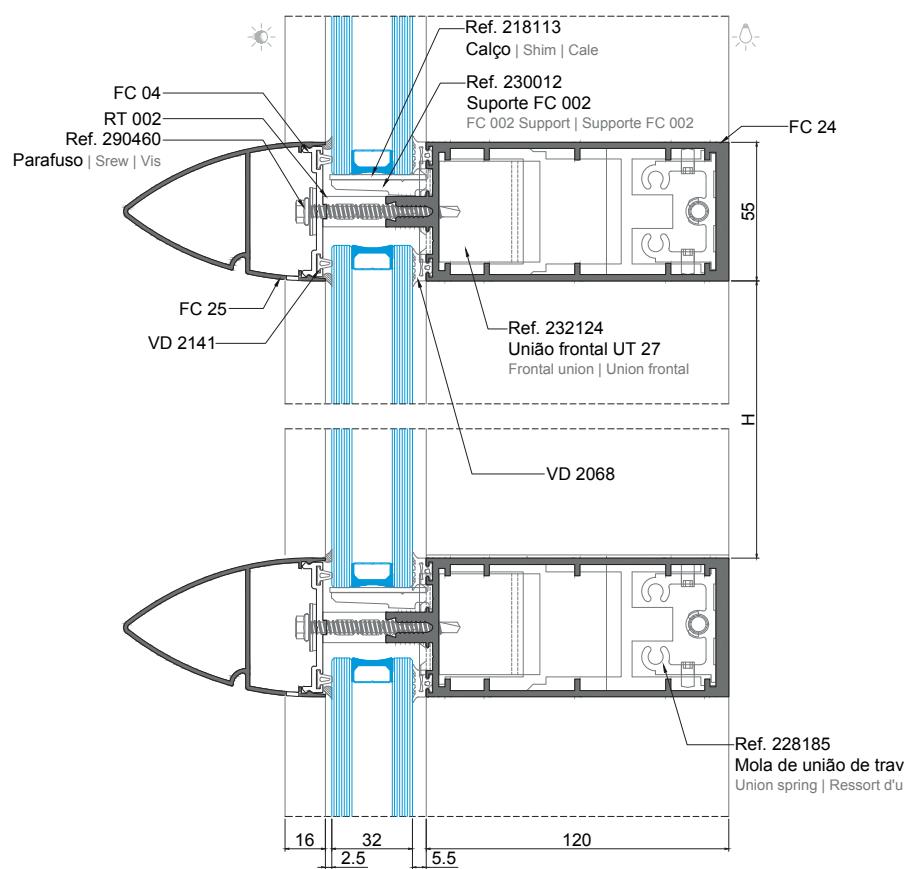
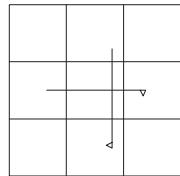


Catari | Vale de Cambra

V

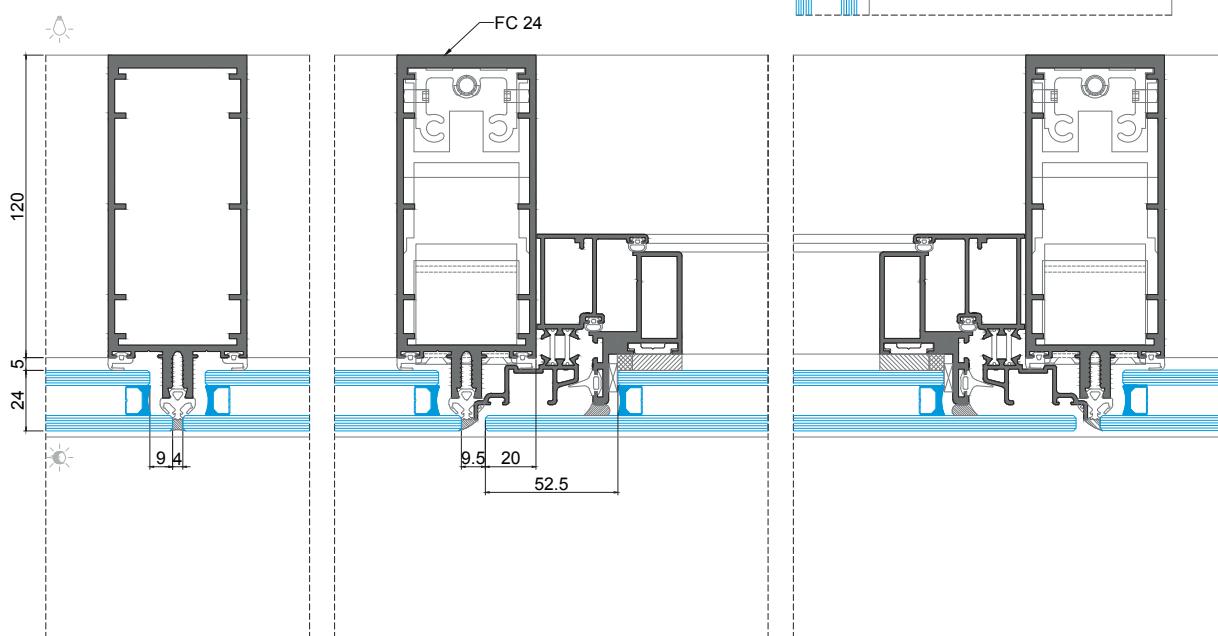
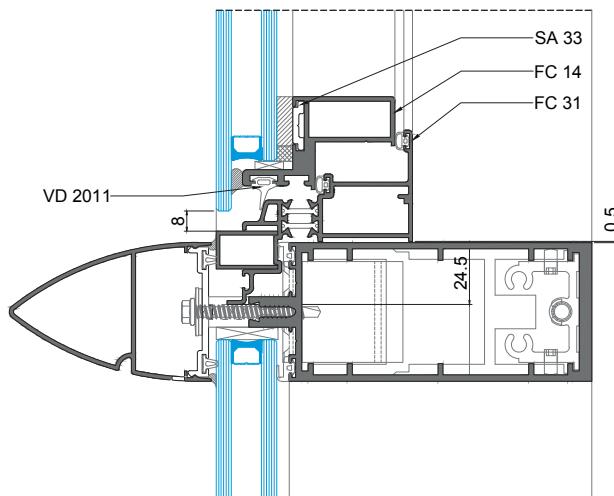
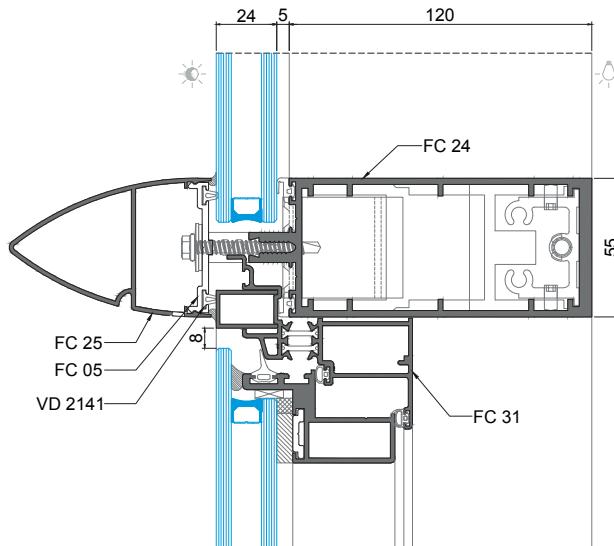
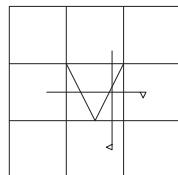
TIPOLOGIAS FC-HORIZONTE
FC-HORIZONTAL CAPPED CURTAIN WALL TYPOLOGIES
TYPOLOGIES FC-MUR RIDEAU TRAME HORIZONTALE

FACHADA HORIZONTE
HORIZON CAPPED CURTAIN WALL
MUR RIDEAU TRAME HORIZONTALE



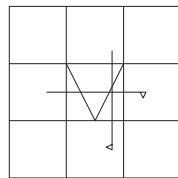
As dimensões dos vidros são essenciais para um bom desempenho da fachada FC HORIZONTE.
Glass dimensions are essential for good façade performance | Les dimensions du verre sont essentielles pour une bonne performance de la façade.

FACHADA HORIZONTE - JANELA PROJETANTE
HORIZON CAPPED CURTAIN WALL - AWNING WINDOW
MUR RIDEAU TRAME HORIZONTALE - FENÊTRE À L'ITALIENNE

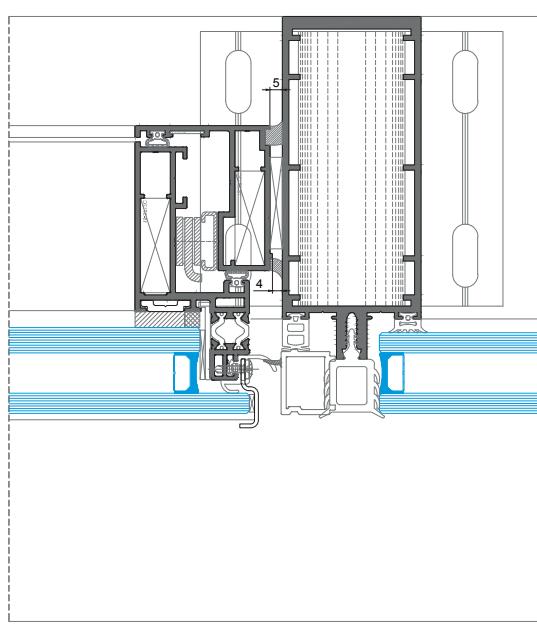
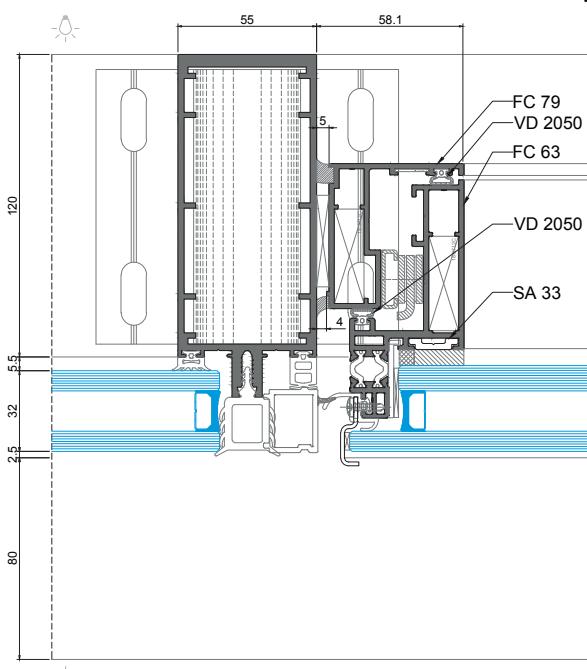
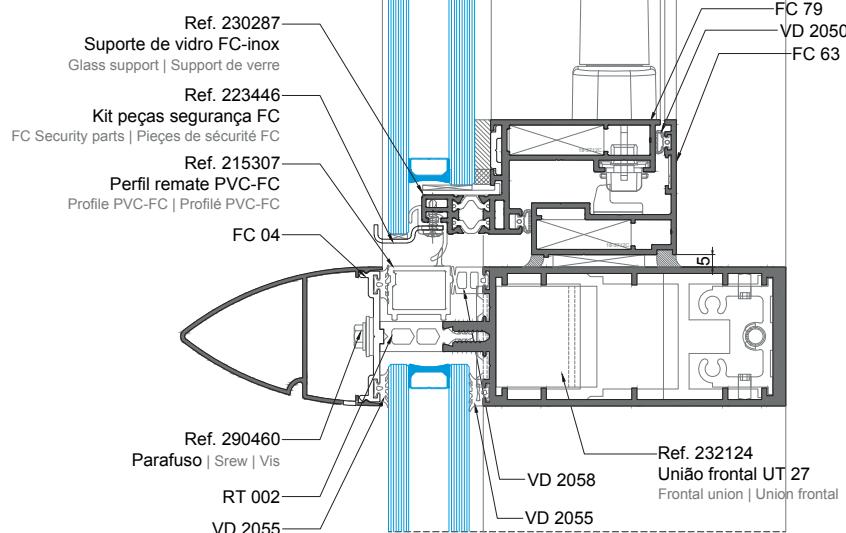
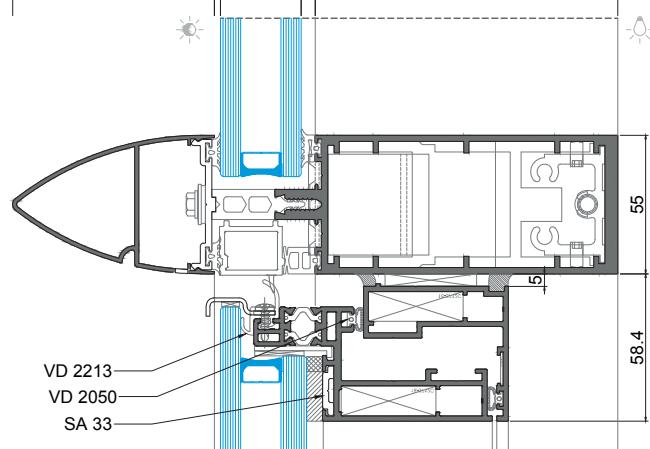


Única solução de vidro compatível: 6mm+cx16x6mm
Unique compatible glass solution | La seule solution de verre compatible

FACHADA HORIZONTE - JANELA PROJETANTE COM FC 63 + FC 79
HORIZON CAPPED CURTAIN WALL - AWNING WINDOW WITH FC 63 + FC 79
MUR RIDEAU TRAME HORIZONTALE - FENÊTRE À L'ITALIENNE AVEC FC 63 + FC 79



80 2.5 32 5.5 120





Piscinas Municipais de Estarreja | Estarreja | Rui Rosmaninho, Aq^{to}. | Miguel Rolo Fotografia

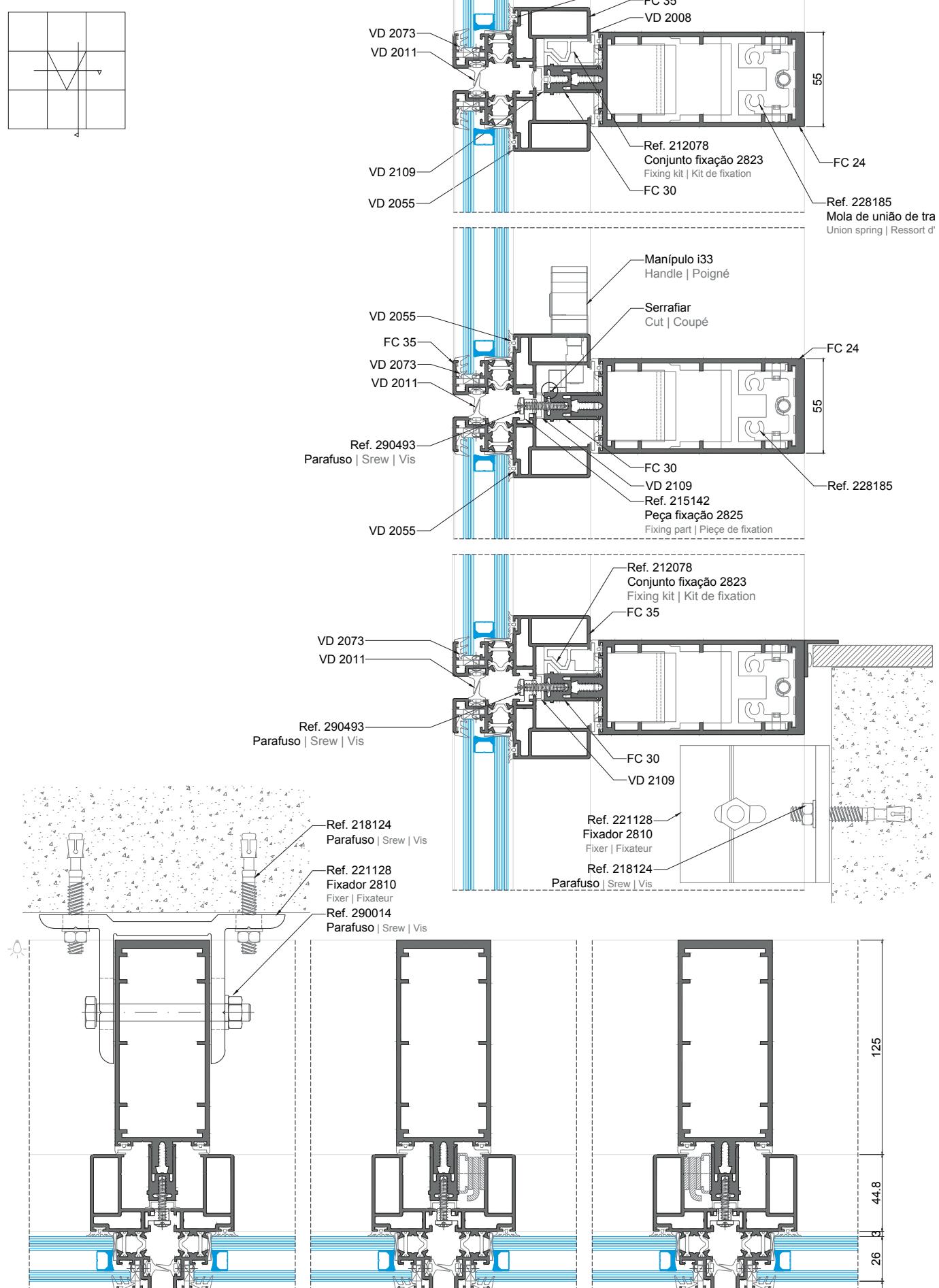
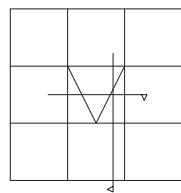
VI

TIPOLOGIAS FC-SEMI OCULTA
FC-VEB CURTAIN WALL TYPOLOGIES
TYPOLOGIES FC-MUR RIDEAU VEP

FACHADA SEMI-OCULTA - COM PERFIL FC 35

VEB CURTAIN WALL - WITH FC 35 PROFILE

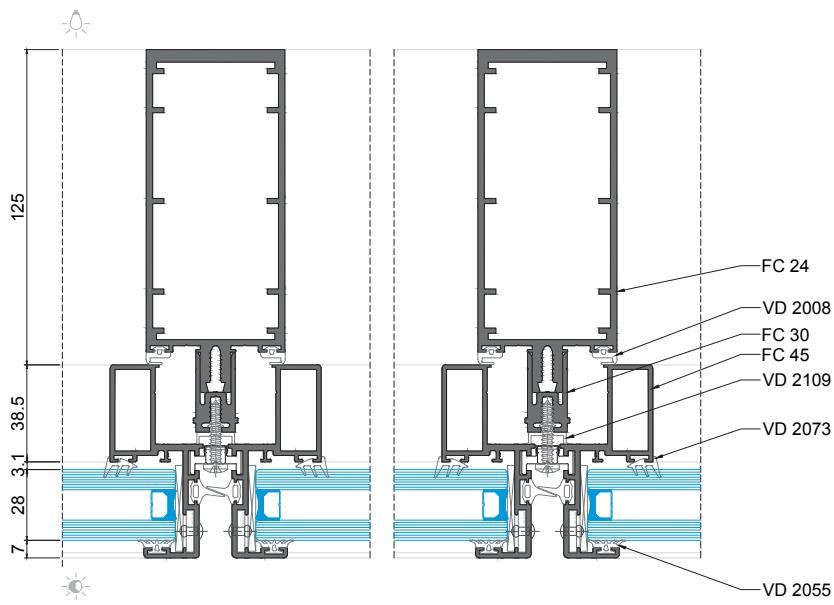
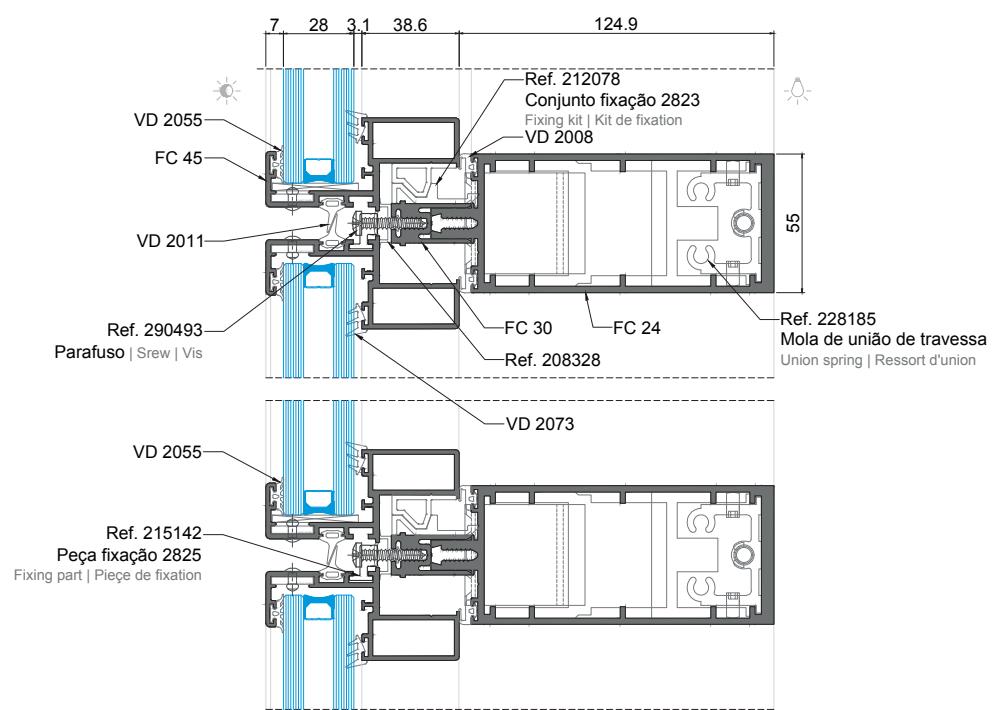
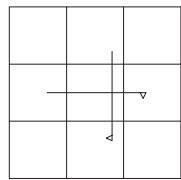
MUR RIDEAU VEP - AVEC PROFILÉ FC 35



FACHADA SEMI-OCULTA - COM PERFIL FC 45

VEB CURTAIN WALL - WITH FC 45 PROFILE

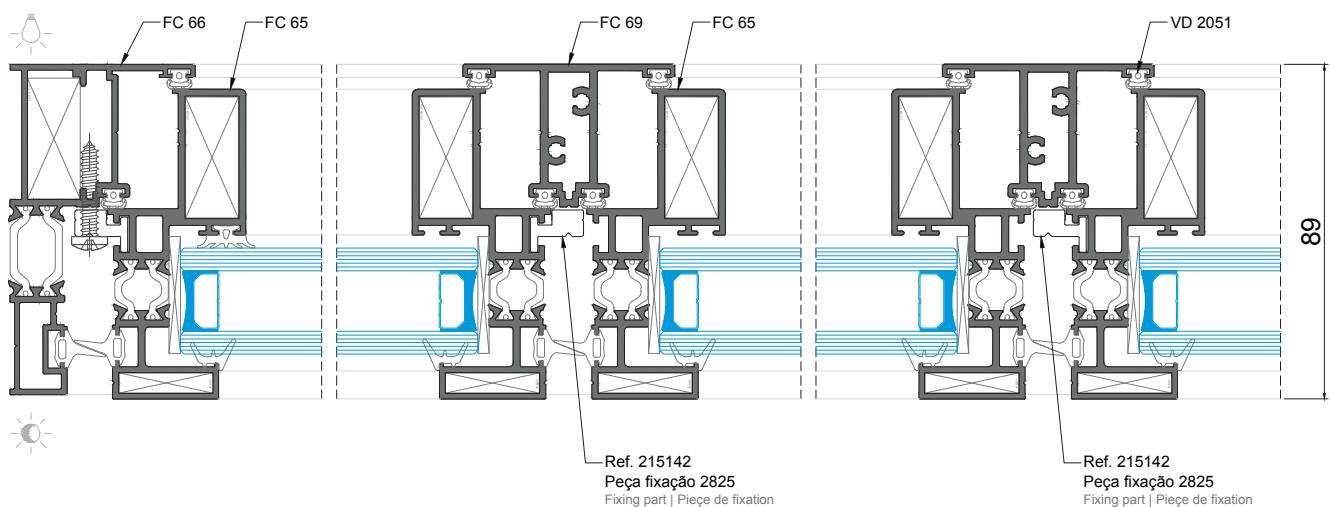
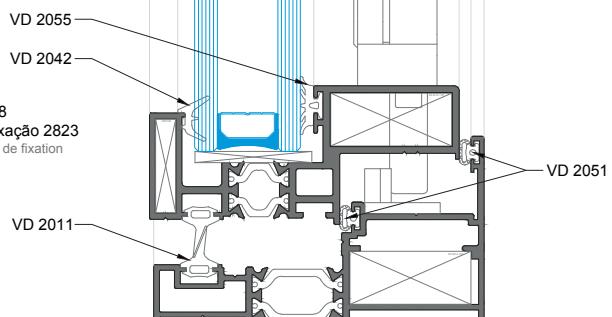
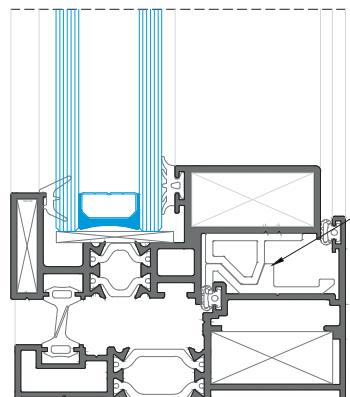
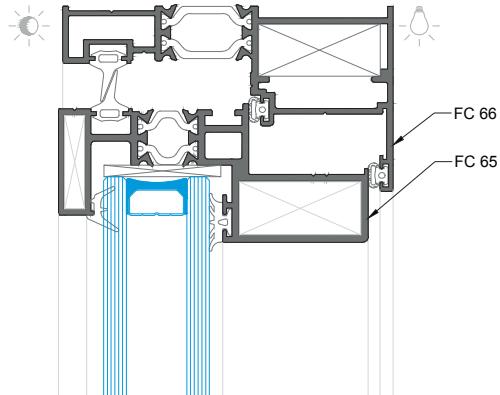
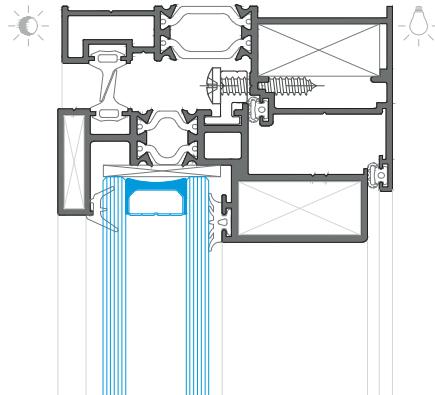
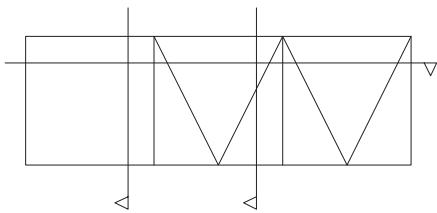
MUR RIDEAU VEP - AVEC PROFILÉ FC 45



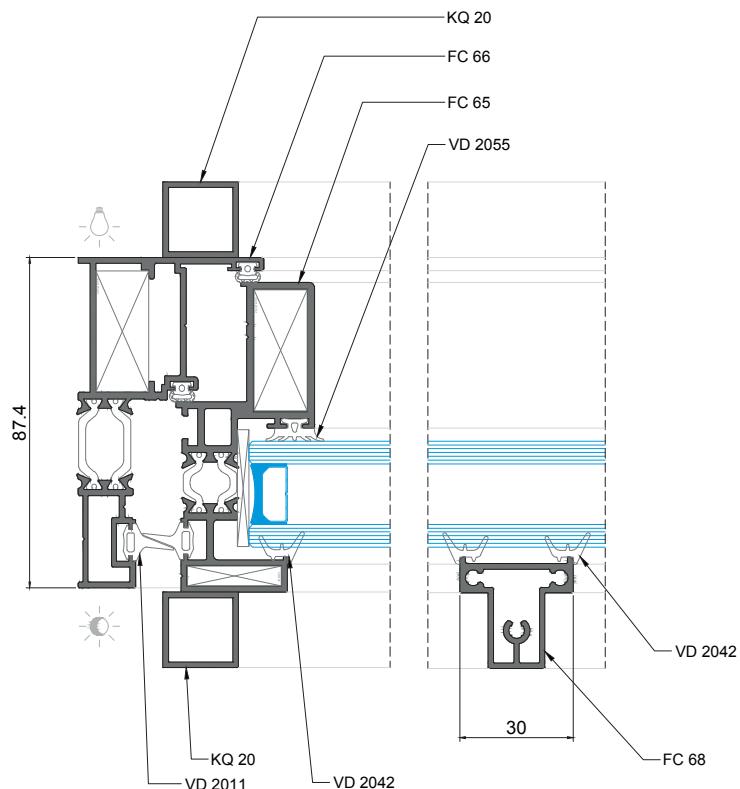
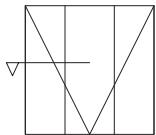
JANELA PROJECTANTE SEMI OCULTA

WEB AWNING WINDOW

FENÊTRE VEP OUVERTURE À ITALIENNE



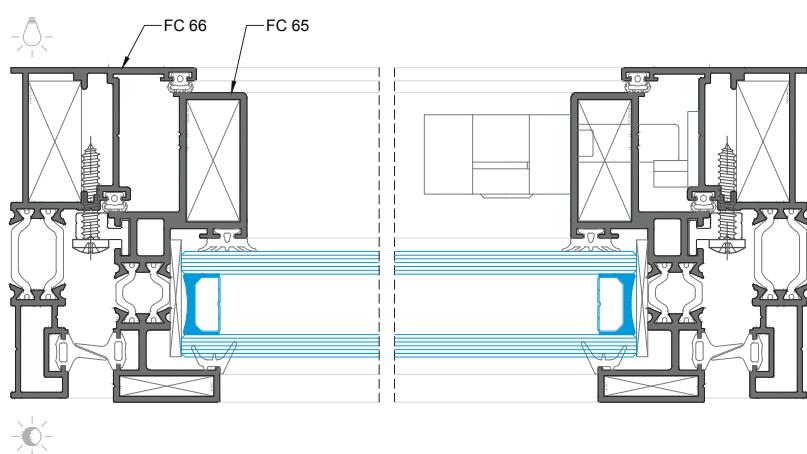
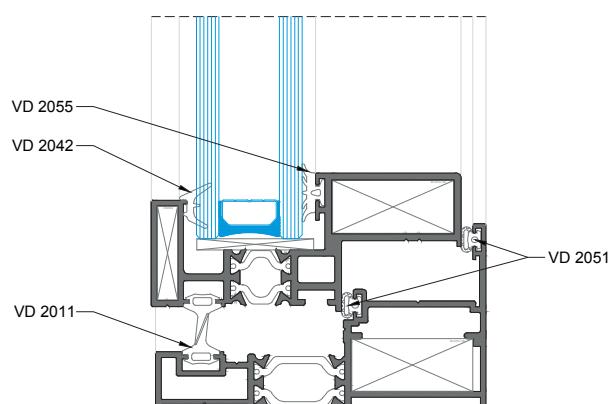
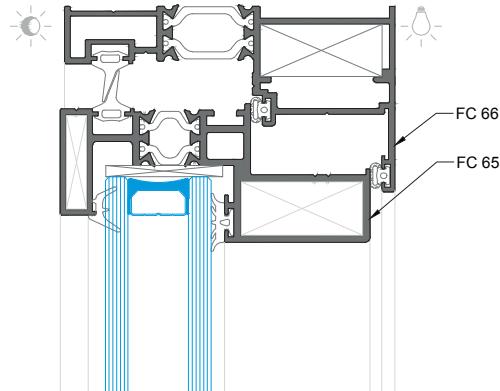
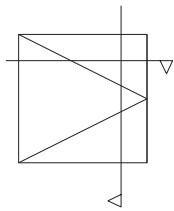
JANELA PROJECTANTE SEMI OCULTA
WEB AWNING WINDOW
FENÊTRE VEP OUVERTURE À L'ITALIENNE



JANELA PROJECTANTE SEMI OCULTA SIDE HUNG 1 FOLHA

WEB WINDOW SIDE HUNG 1 SASH

FENÊTRE VEP OUVERTURE EN PROJECTION LATÉRALE 1 VANTAIL





Centro Escolar Gafanha da Boa Hora | Vagos | António Portugal e Manuel M Reis, Arq.

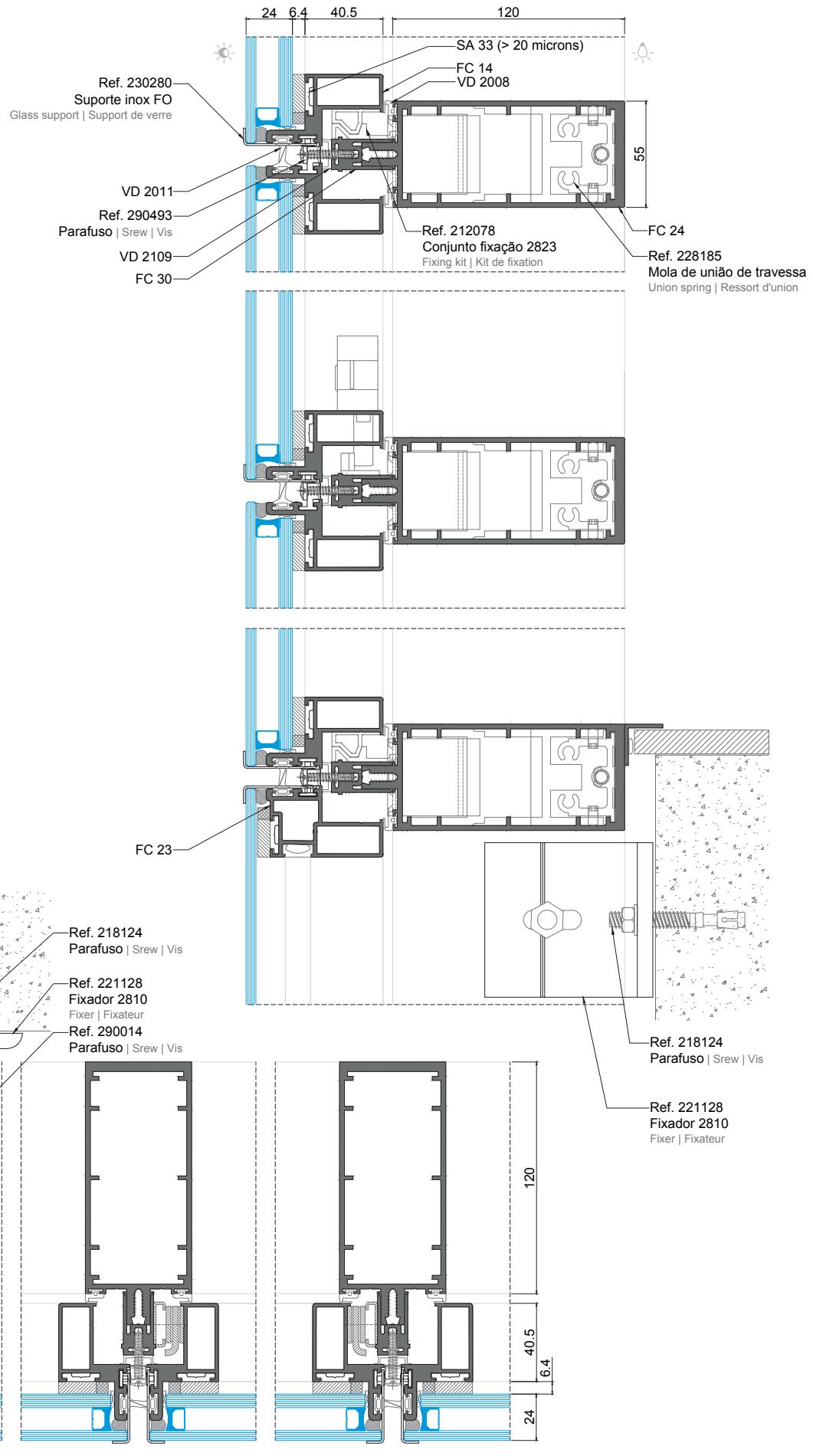
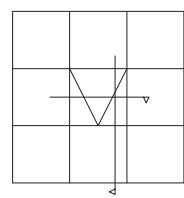
VII

TIPOLOGIAS FC-OCULTA FC-VEP CURTAIN WALL TYPOLOGIES TYPOLOGIES FC-MUR RIDEAU VEC

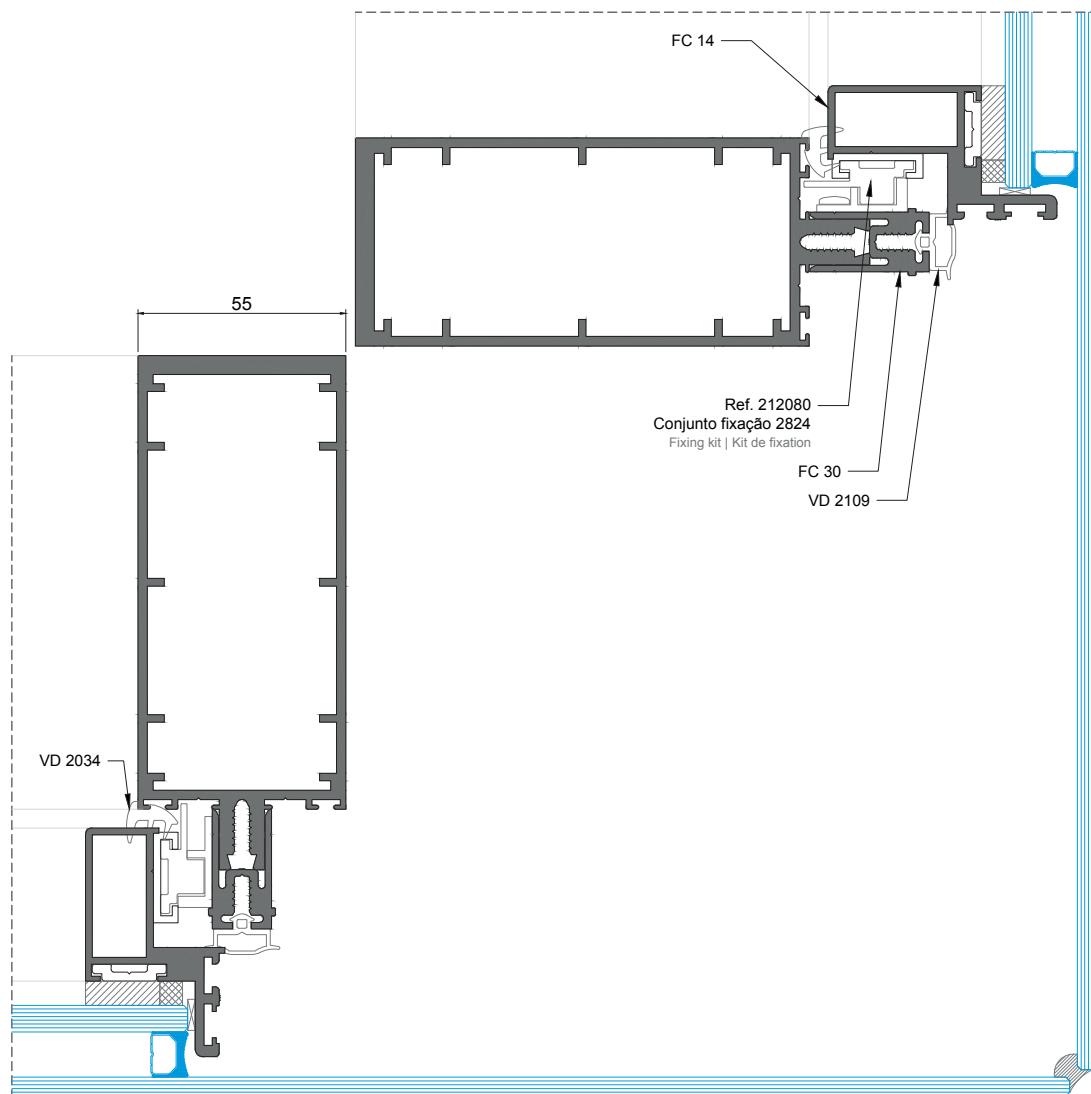
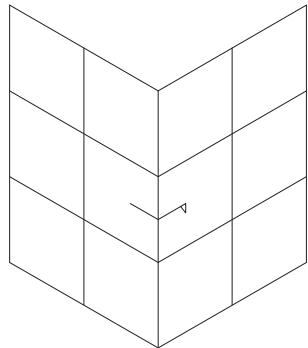
FACHADA OCULTA - COM PERfil FC 14

STRUCTURAL GLAZING CURTAIN WALL - WITH FC 14 PROFILE

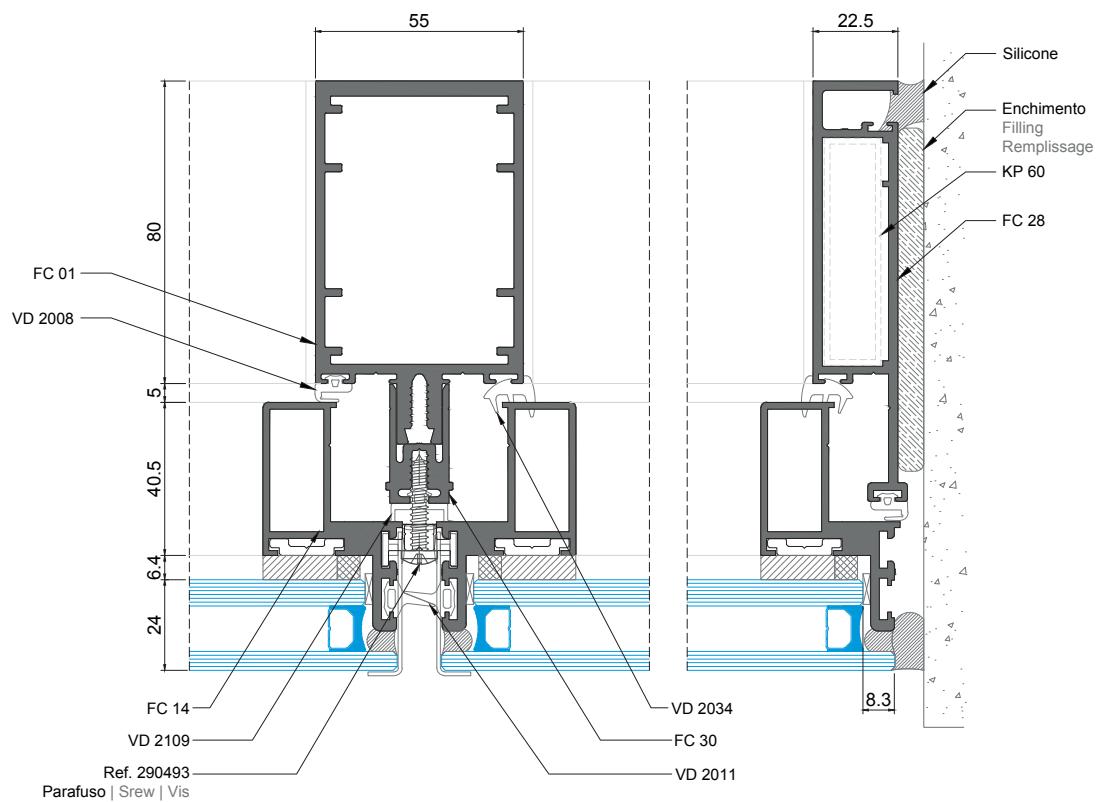
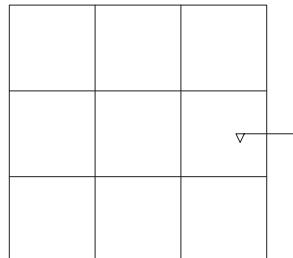
MUR RIDEAU VEC - AVEC PROFILÉ FC 14



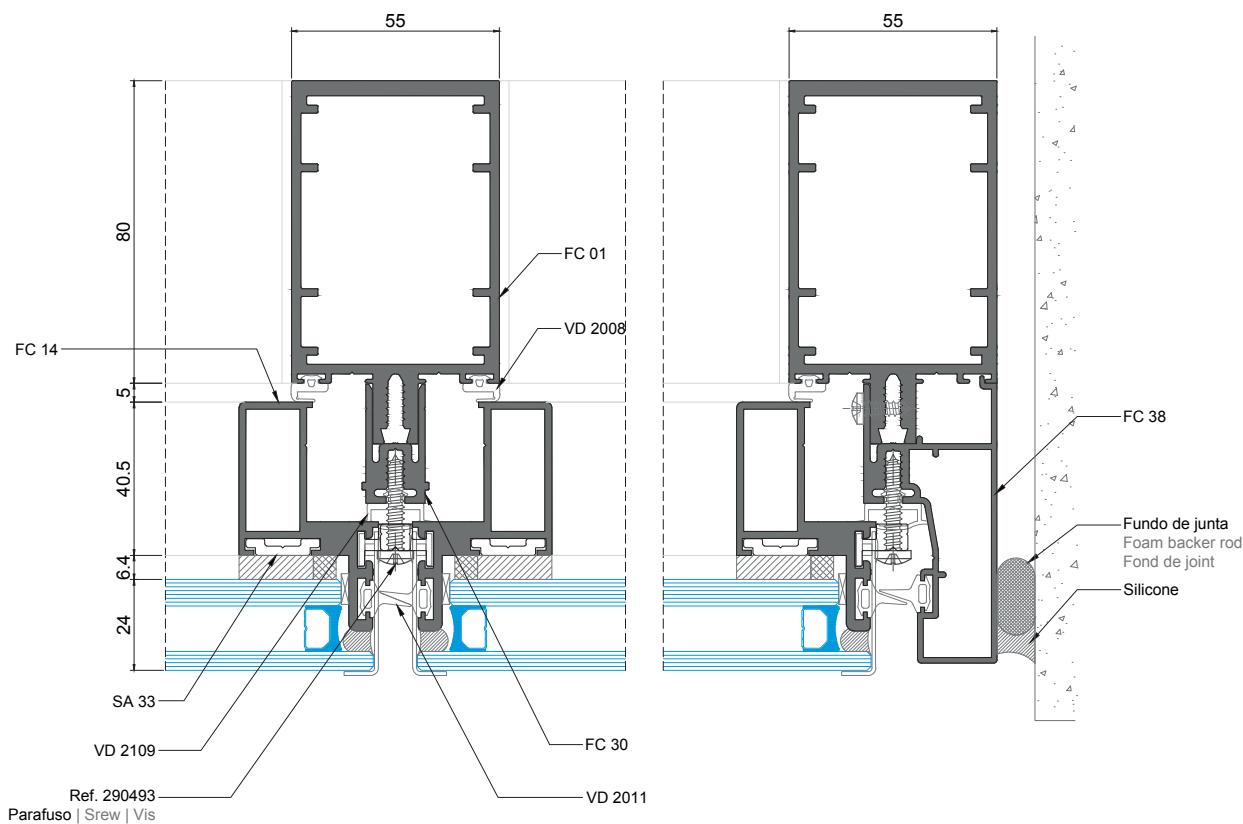
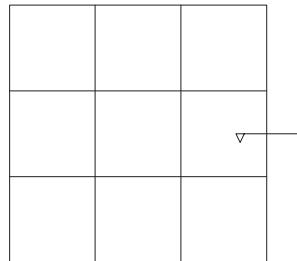
FACHADA OCULTA - COM PERFIL FC 14 - CANTO CÔNCAVO 90°
 STRUCTURAL GLAZING CURTAIN WALL - WITH FC 14 PROFILE - 90° CONCAVE CORNER
 MUR RIDEAU VEC - AVEC PROFILÉ FC 14 - ANGLE CONCAVE À 90°



FACHADA OCULTA - COM FC 14 + PERFIL DE REMATE FC 28
STRUCTURAL GLAZING CURTAIN WALL - WITH FC 14 + FC 28 TRIM PROFILE
MUR RIDEAU VEC - AVEC FC 14 + PROFILÉ DE FINITION FC 28



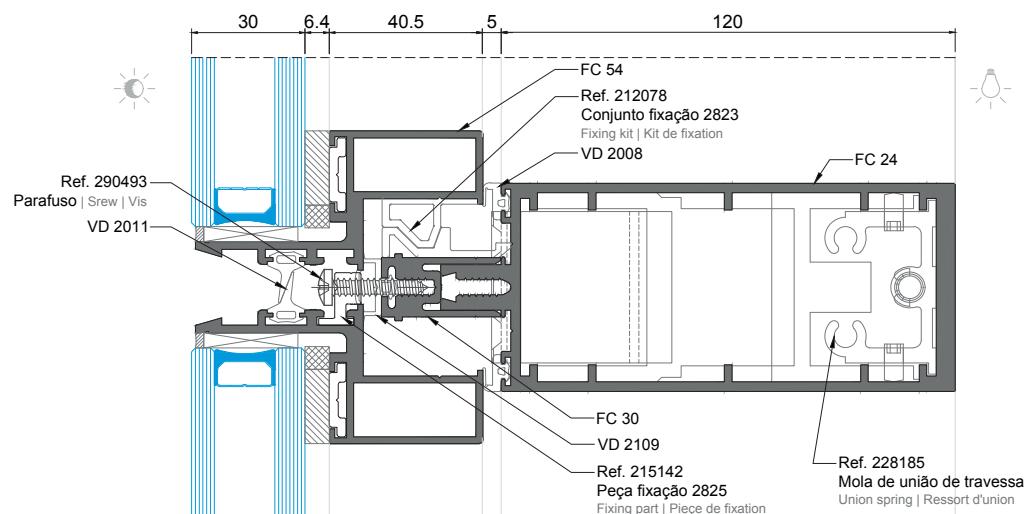
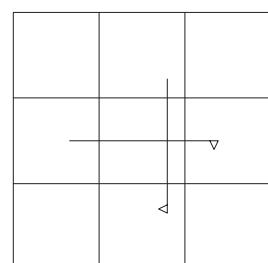
FACHADA OCULTA - COM FC 14 + PERFIL DE REMATE FC 38
STRUCTURAL GLAZING CURTAIN WALL - WITH FC 14 + FC 38 TRIM PROFILE
MUR RIDEAU VEC - AVEC FC 14 + PROFILÉ DE FINITION FC 38



FACHADA OCULTA - COM PERFIL FC 54

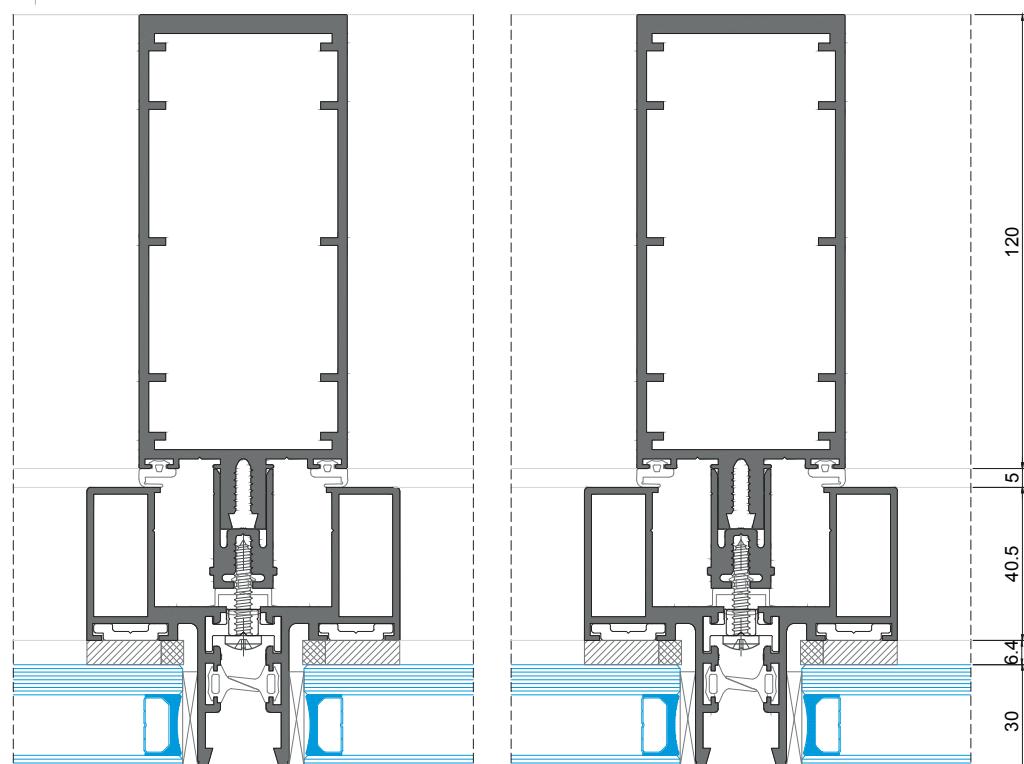
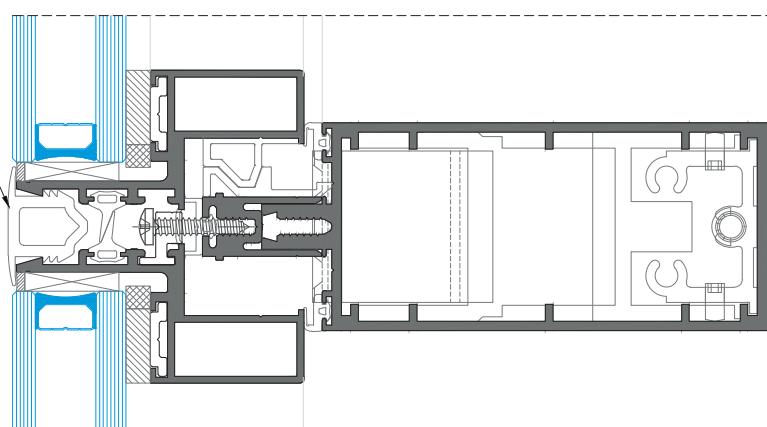
STRUCTURAL GLAZING CURTAIN WALL - WITH FC 54 PROFILE

MUR RIDEAU VEC - AVEC PROFILÉ FC 54

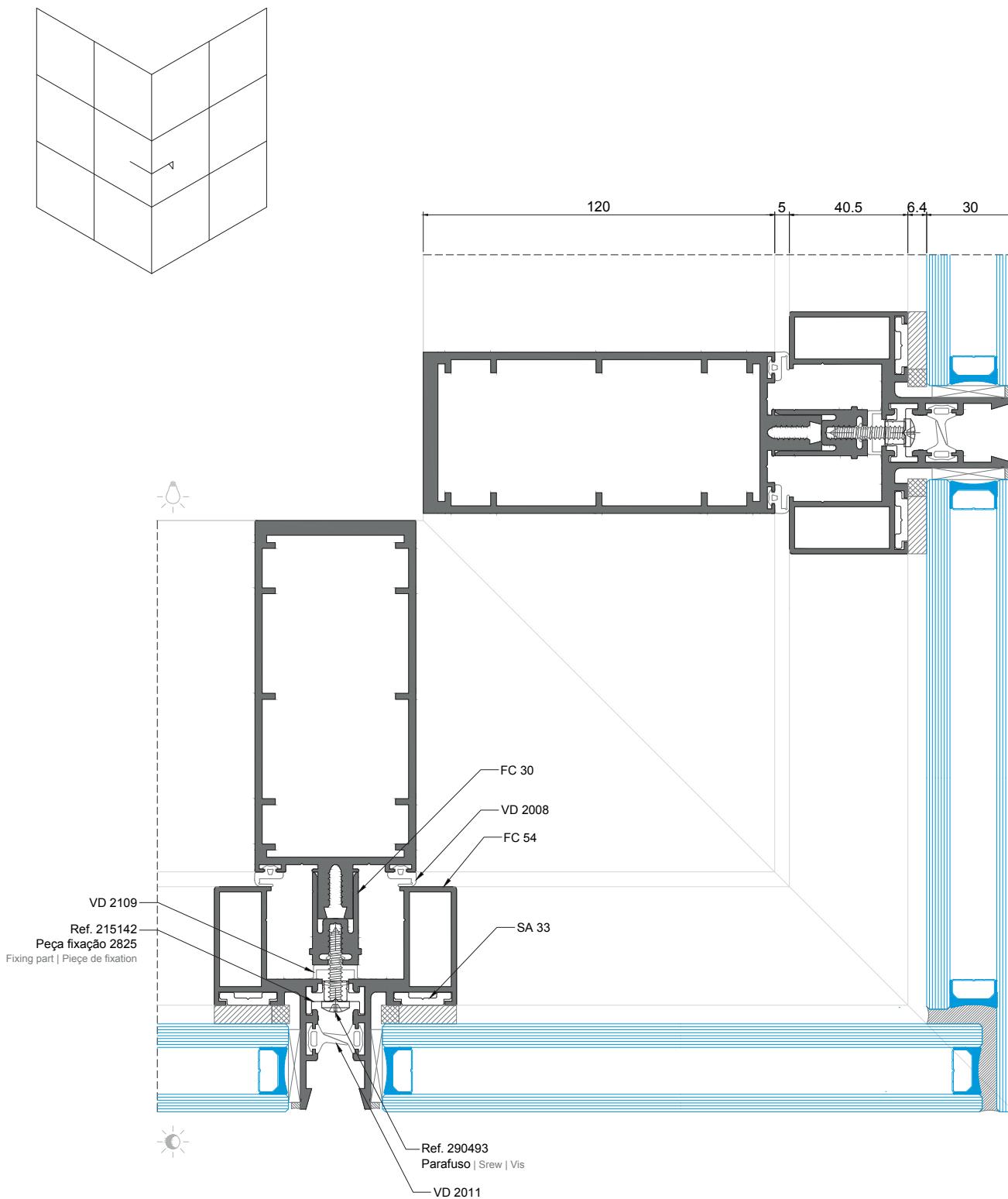


OPÇÃO
OPTION
OPTION

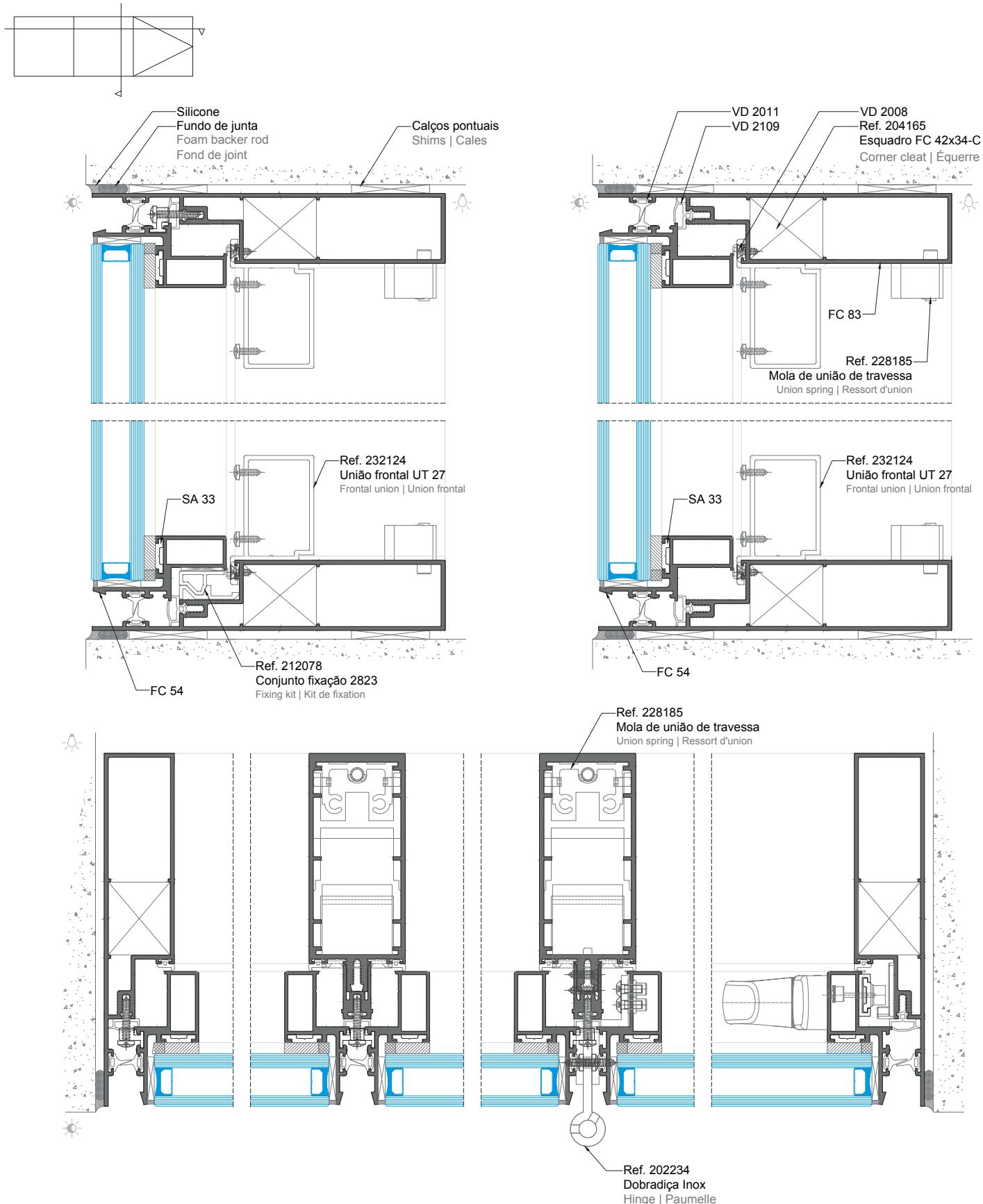
VD 2156



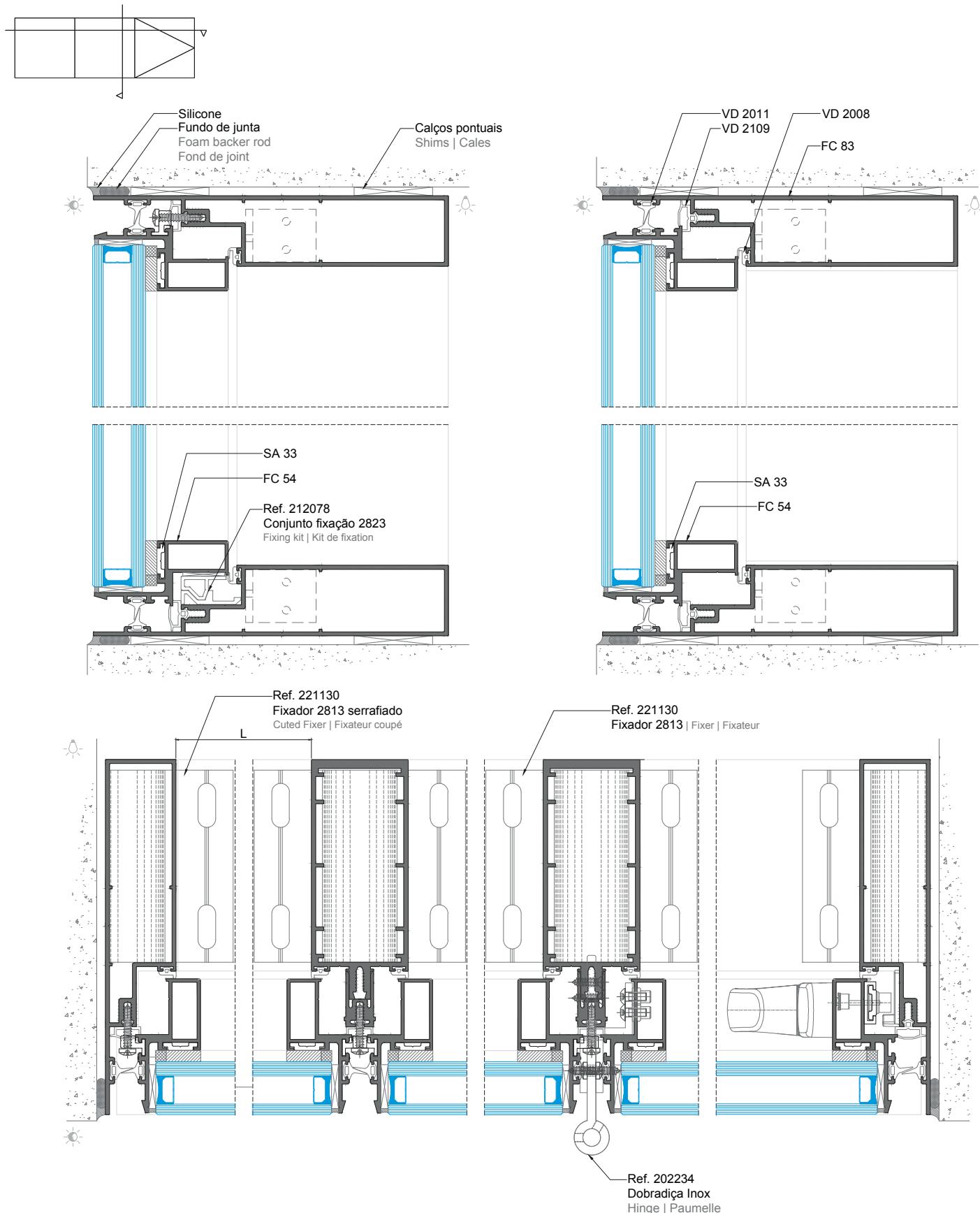
FACHADA OCULTA - COM PERFIL FC 54 - CANTO CÔNCAVO 90°
STRUCTURAL GLAZING CURTAIN WALL - WITH FC 54 PROFILE - 90° CONCAVE CORNER
MUR RIDEAU VEC - AVEC PROFILÉ FC 54 - ANGLE CONCAVE À 90°



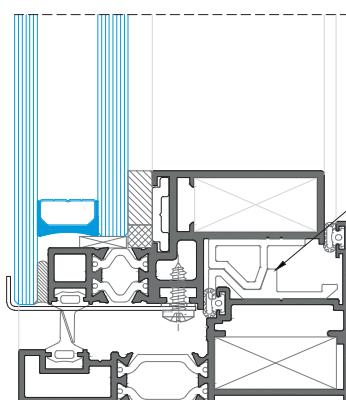
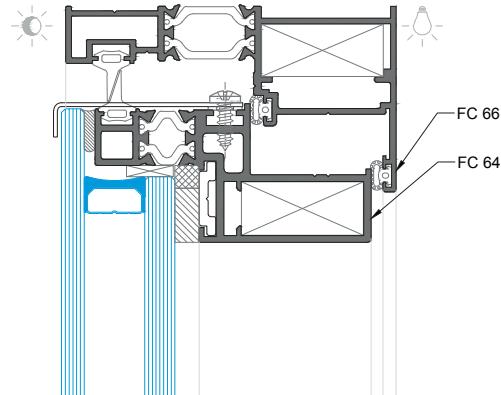
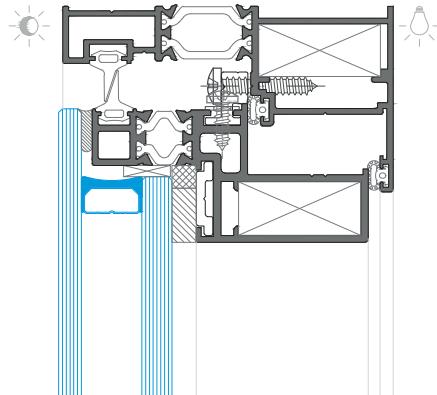
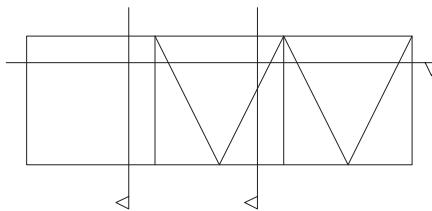
FACHADA OCULTA - COM PERFIL FC 54 + PERFIL FC 83 - SOLUÇÃO 45°
STRUCTURAL GLAZING CURTAIN WALL - WITH FC 54 PROFILE + FC 38 PROFILE - 45° SOLUTION
MUR RIDEAU VEC - AVEC PROFILÉ FC 54 + PROFILÉ FC 83 - SOLUTION À 45°



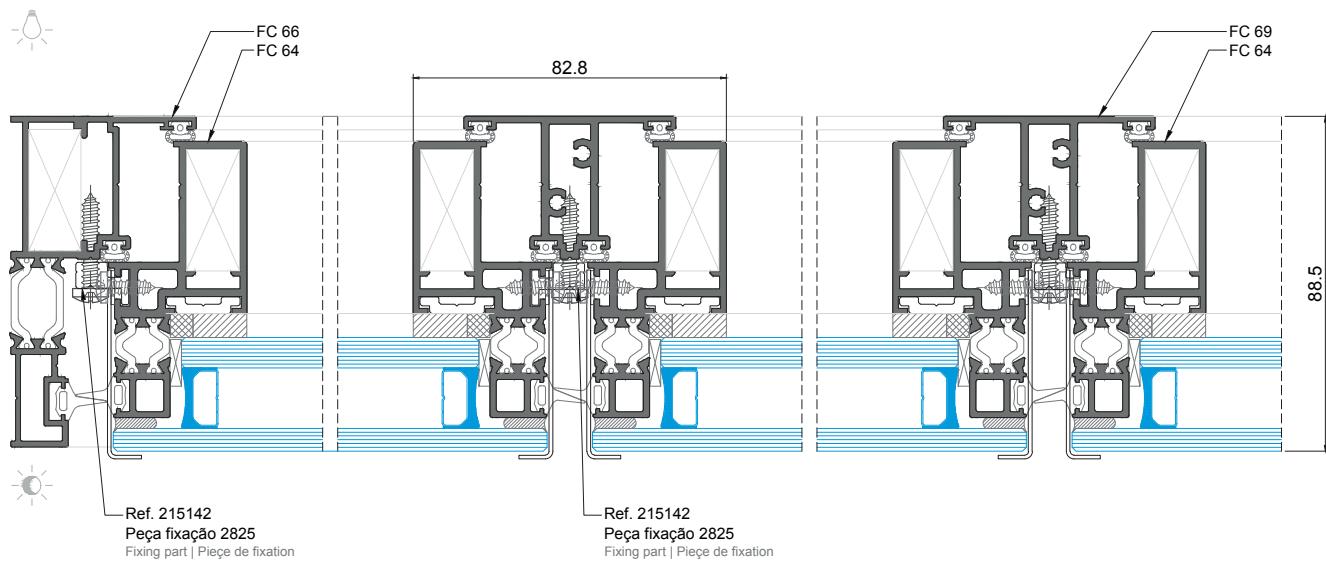
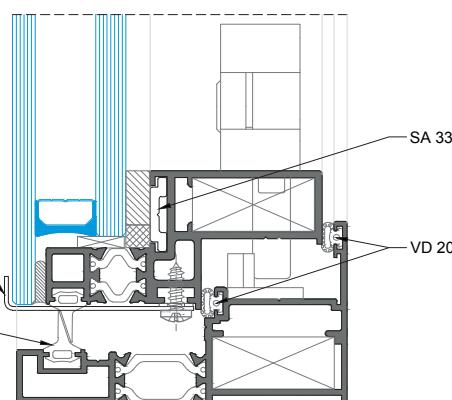
FACHADA OCULTA - COM PERFIL FC 54 + PERFIL FC 83 - SOLUÇÃO 90°
STRUCTURAL GLAZING CURTAIN WALL - WITH FC 54 PROFILE + FC 38 PROFILE - 90° SOLUTION
MUR RIDEAU VEC - AVEC PROFILÉ FC 54 + PROFILÉ FC 83 - SOLUTION À 90°



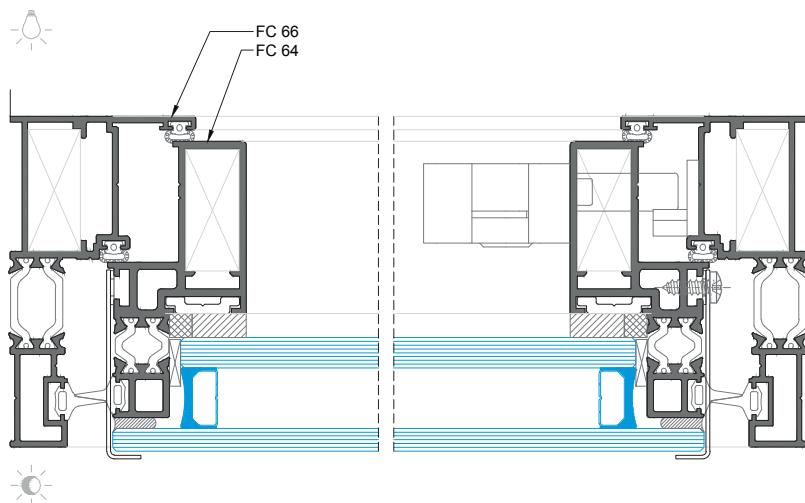
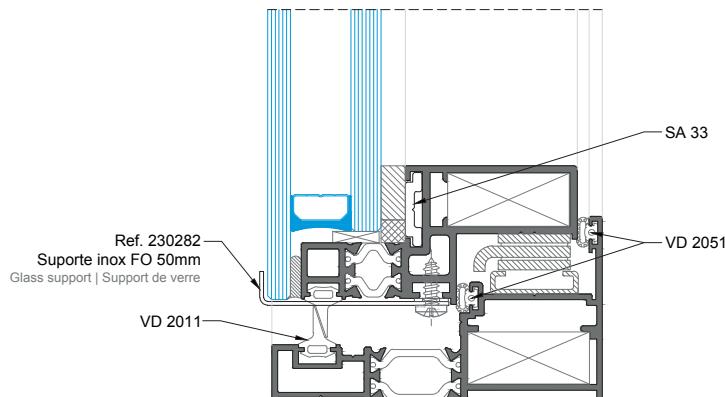
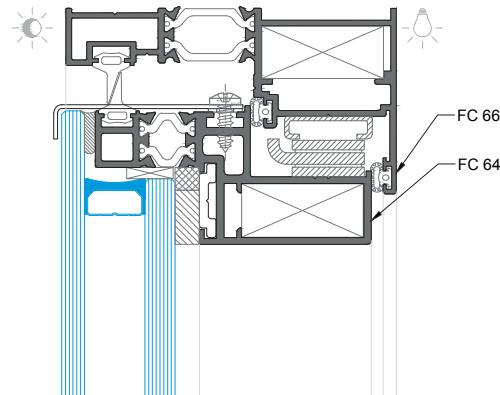
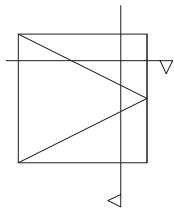
JANELA PROJECTANTE OCULTA
STRUCTURAL GLAZING TOP HUNG WINDOW
FENÊTRE VEC OUVERTURE À L'ITALIENNE



Ref. 212078
Conjunto fixação 2823
Fixing kit | Kit de fixation



JANELA PROJECTANTE OCULTA SIDE HUNG 1 FOLHA
STRUCTURAL GLAZING SIDE HUNG WINDOW 1 SASH
FENÊTRE VEC OUVERTURE EN PROJECTION LATÉRALE 1 VANTAIL





VIII

TIPOLOGIAS FC-DEC - FACHADA DE VIDRO ESTRUTURAL COM FIXAÇÃO MECÂNICA
STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING TYPOLOGIES
TYPOLOGIES MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE

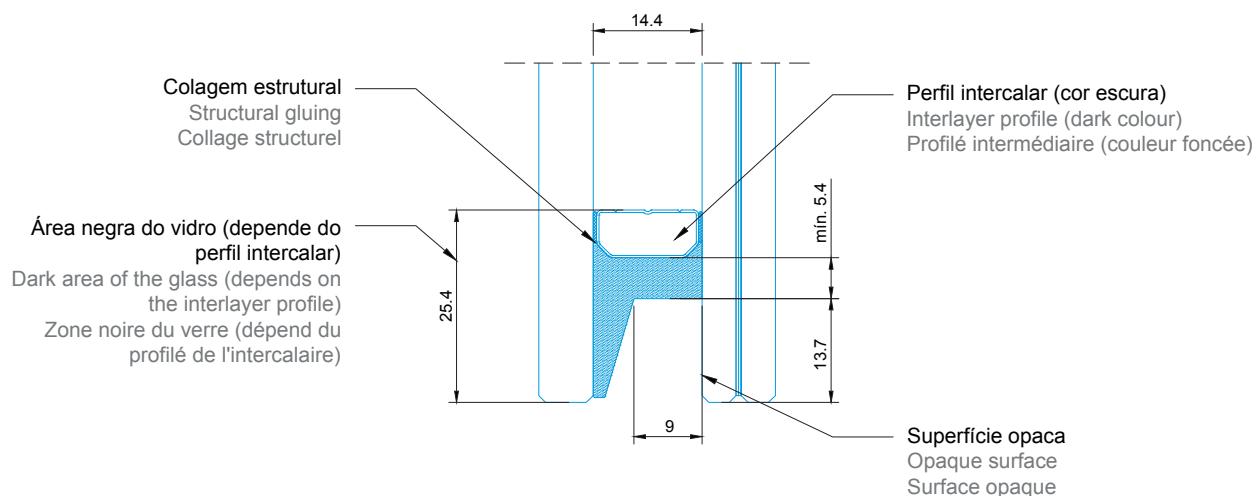
CARACTERÍSTICAS DO VIDRO

GLASS CHARACTERISTICS | CARACTÉRISTIQUES DU VERRE

Os vidros a aplicar no sistema FC DEC não se tratam de vidros duplos convencionais. A produção destes vidros deverá seguir procedimentos específicos no que se refere à colagem do perfil intercalar, que será contínua entre os dois vidros, apresentando as características abaixo:

The glazing to be applied in the FC DEC system is not conventional double glazing. The production of these glasses must follow specific procedures regarding the gluing of the interlayer profile, which will be continuous between the two glasses, with the following characteristics:

Le vitrage à appliquer dans le système FC DEC n'est pas un double vitrage classique. La production de ces verres doit suivre des procédures spécifiques en ce qui concerne le collage du profil intermédiaire, qui sera continu entre les deux verres, avec les caractéristiques suivantes:



Nas extremidades dos vidros (zona de colagem) deverá garantir-se a cavidade que permite a fixação dos mesmos. Para além da produção do vidro, a segurança dos elementos está também relacionada com:

1. Correto dimensionamento da composição de vidro - de acordo com as pressões dinâmicas do local da obra e as dimensões requeridas;
2. Realização de arestas em ambos os vidros;
3. Altura da colagem estrutural - Não deverá ser inferior a 6mm. Deverá ser realizado um cálculo da altura de colagem, que tem em conta as dimensões, peso, pressão de vento, temperatura de trabalho, etc.

At the edges of the glass (gluing area) the cavity that allows the glass to be fixed must be guaranteed. Apart from glass production, the safety of the elements is also related to:

1. Correct dimensioning of the glass composition - according to the dynamic pressures of the building site and the required dimensions;
2. Edge production on both glass panels;
3. Structural gluing height - It must not be less than 6mm. The gluing height must be calculated taking into account the dimensions, weight, wind pressure, working temperature, etc.

Sur les bords du verre (zone de collage), la cavité qui permet de fixer le verre doit être garantie. Outre la production de verre, la sécurité des éléments est également liée à:

1. Dimensionnement correct de la composition du verre - en fonction des pressions dynamiques du chantier et des dimensions requises;
2. Réalisation des bords dans les deux verres ;
3. Hauteur du collage structurel - Elle ne doit pas être inférieure à 6 mm. La hauteur de collage doit être calculée en tenant compte des dimensions, du poids, de la pression du vent, de la température de travail, etc.

CARACTERÍSTICAS DO VIDRO

GLASS CHARACTERISTICS | CARACTÉRISTIQUES DU VERRE

O vidro utilizado neste sistema requer procedimentos específicos quanto à colagem do vidro duplo. Para prevenir quebras por choque térmico, torna-se obrigatório a utilização de **vidros temperados pelo exterior** e, tendo em consideração que este sistema apenas prevê a fixação mecânica contínua perimetral do vidro interior, aconselha-se a utilização de **laminados no pano interior**, desaconselhando o uso de vidro temperado no pano interior.

The glass used in this system requires specific procedures regarding the gluing of the double glass. To prevent breakages by thermal shock, the use of **tempered glass on the exterior** is mandatory and, taking into consideration that this system only provides for the continuous perimeter mechanical fixing of the interior glass, it is advisable to use **laminated glass on the inner panel**, advising against the use of tempered glass in the inner panel.

Le verre utilisé dans ce système exige des procédures spécifiques pour le collage du double vitrage. Pour prévenir les ruptures par choc thermique, l'utilisation de **verre trempé à l'extérieur** est obligatoire et, en considérant que ce système ne prévoit que la fixation mécanique périphérique continue du verre intérieur, il est conseillé d'utiliser du **verre feuilleté sur le panneau intérieur**, déconseillant l'utilisation de verre trempé dans le panneau intérieur.

A produção do vidro duplo requer uma colagem estrutural, como é requerido para os sistemas VEC. O vidro deverá estar devidamente dimensionado à pressão dinâmica do local de obra, bem como às dimensões requeridas.

The production of double glass requires structural gluing, as required for VEP systems. The glass must be adequately dimensioned to the dynamic pressure of the building site, as well as to the required dimensions.

La production de double vitrage nécessite un collage structurel, comme c'est le cas pour les systèmes VEC. Le verre doit être dimensionné de manière adéquate à la pression dynamique du chantier, ainsi qu'aux dimensions requises.

A colagem do vidro duplo requer uma câmara contínua entre os dois vidros. Essa câmara deverá obedecer às cotas indicadas. Dentro da câmara, a superfície do vidro interior deve estar limpa de cola e o vidro exterior deverá estar coberto com a mesma cola da colagem entre vidros, de forma a apresentar um aspecto uniforme na parte exterior do vidro. A altura da colagem plana não deve ser menor que 6 mm, podendo ser maior dependendo do dimensionamento desta.

The gluing of the double glass requires a continuous chamber between the two panels. This chamber must comply with the dimensions indicated. Inside the chamber the surface of the inner glass panel must be clean of glue, and the outer glass panel must be covered with the same glue as the glue between the panels, in order to present a uniform appearance on the outer side of the glass. The height of the flat glue should not be less than 6 mm, but may be greater depending on its size.

Le collage du double vitrage nécessite une chambre continue entre les deux vitres. Cette chambre doit respecter les dimensions indiquées. A l'intérieur de la chambre la surface du verre interne doit être débarrassée de la colle, et le verre externe doit être recouvert de la même colle que celle utilisée entre les vitres, afin de présenter un aspect uniforme sur la partie externe du verre. La hauteur de la colle plate ne doit pas être inférieure à 6 mm, mais peut être supérieure en fonction de sa dimension.

O bom acabamento do sistema está relacionado com a qualidade de produção vidro, bem como com a escolha das cores deste. Devem-se escolher preferencialmente vidros escuros ou esfumados de forma a não evidenciar a câmara interna do vidro (de cor negra). As câmaras do vidro duplo deverão ser preferencialmente em cores escuras.

The good finishing of the system is related to the glass production quality as well as with the choice of its colours. Dark or smoked glass should be chosen preferably so as not to highlight the inner chamber of the glass (of dark colour). The double glass chambers should preferably be in dark colours.

La bonne finition du système est liée à la qualité de la production du verre ainsi qu'au choix de ses couleurs. Le verre foncé ou fumé doit être choisi de préférence afin de ne pas faire ressortir la chambre interne du verre (noir). Les chambres à double vitrage doivent de préférence être de couleur foncée.

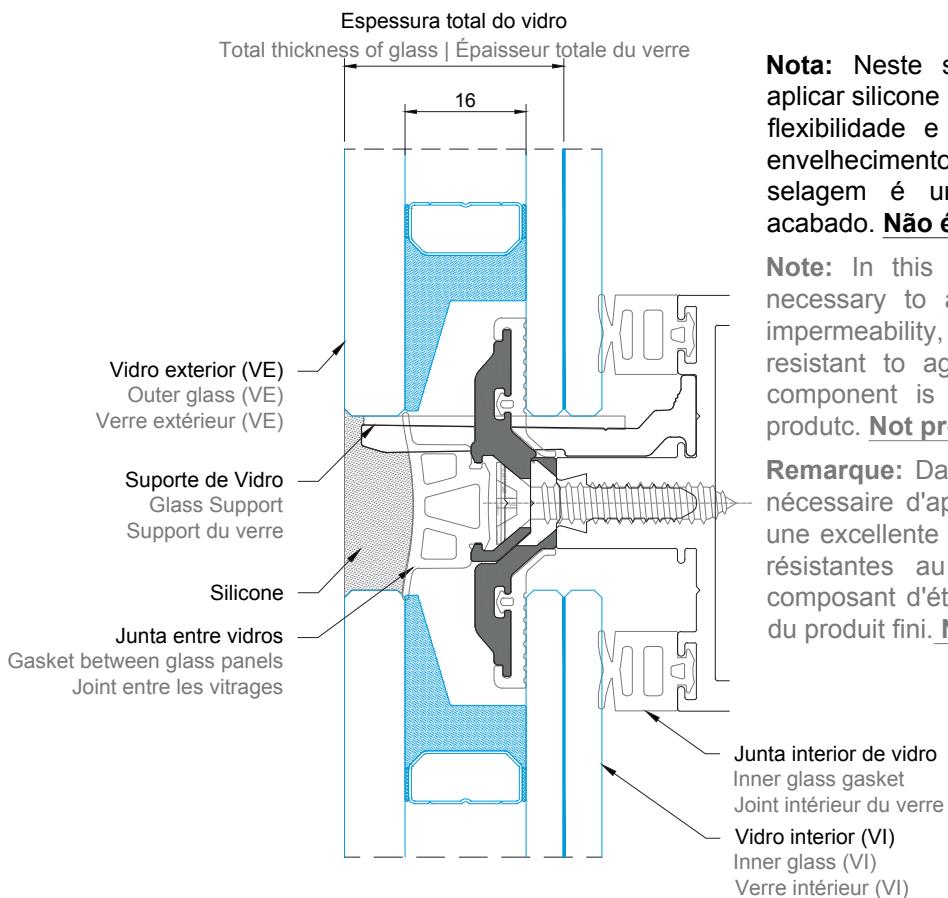
Para um melhor acabamento do vidro, este deverá apresentar arestas roçadas ou polidas (pelo menos no vidro exterior).

For a better finishing of the glass, it should have ground or polished edges (at least on the outer panel).

Pour une meilleure finition du verre, il devrait avoir des bords rodés ou polis (au moins sur le verre extérieur).

FACHADA FC DEC - TABELA DE ENCHIMENTOS - JANELA

STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING - GLAZING TABLE - WINDOW
MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE - TABLE DE VITRAGE - FENÊTRE



Nota: Neste sistema, entre vidros, é necessário aplicar silicone neutro de excelente impermeabilidade, flexibilidade e elevado desempenho resistente ao envelhecimento. A aplicação deste componente de selagem é uma parte fundamental do produto acabado. Não é fornecido pela Sosoares.

Note: In this system, between the glasses, it is necessary to apply neutral silicone with excellent impermeability, flexibility and high performance resistant to aging. The application of this sealing component is a fundamental part of the finished product. Not provided by Sosoares.

Remarque: Dans ce système, entre les vitres, il est nécessaire d'appliquer du silicone neutre présentant une excellente imperméabilité et hautes performances résistantes au vieillissement. L'application de ce composant d'étanchéité est un élément fondamental du produit fini. Non fourni par Sosoares.

VIDRO EXTERIOR (Temperado) EXTERIOR GLASS (Tempered) VERRE EXTÉRIEUR (trempé)	
Vidro exterior (VE) Outer glass (VE) Verre extérieur (VE)	Junta entre vidros Gasket between glass panels Joint entre les vitrages
8 mm	VD 2103 - Ref. 208494
10 mm	VD 2103 - Ref. 208494
Suporte de Vidro Glass Support Support du verre	Suporte FC auto-portante 005 Self-supporting FC 005 bracket Support autoportant FC 005
36.76 mm	Espessura máxima (total do vidro) Maximum thickness (total of glass) Épaisseur maximale (totale du verre)

VIDRO INTERIOR (Laminado) INTERIOR GLASS (Laminated) VITRAGE INTERIEUR (laminé)	
Vidro interior (VI) Inner glass (VI) Verre intérieur (VI)	Junta interior de vidro Inner glass gasket Joint intérieur du verre
44.2 (8.76 mm)	VD 2229 - Ref. 208266
55.2 (10.76 mm)	VD 2062 - Ref. 208285
66.2 (12.76 mm)	VD 2228 - Ref. 208265

NOTA: Outros enchimentos sob consulta.
Other fillings on request | Autres remplissages sur demande

FACHADA FC DEC - TABELA DE ENCHIMENTOS - JANELA

STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING - GLAZING TABLE - WINDOW

MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE - TABLE DE VITRAGE - FENÊTRE

VIDRO EXTERIOR (Temperado) EXTERIOR GLASS (Tempered) VERRE EXTÉRIEUR (trempé)
8 mm
10 mm

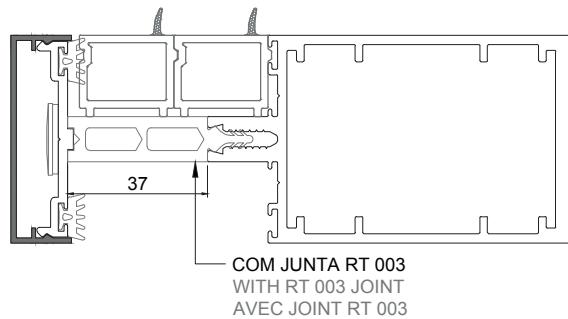
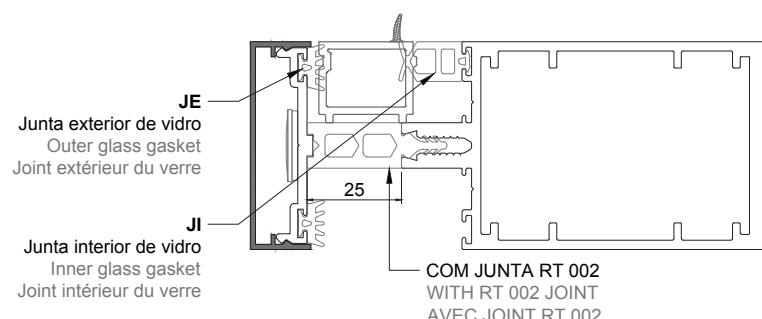
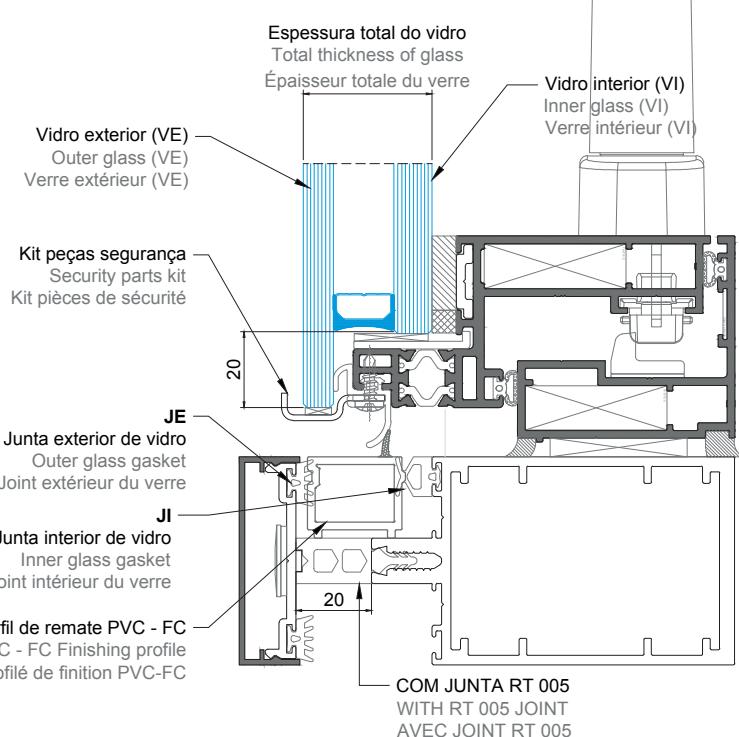
KIT DE PEÇAS DE SEGURANÇA SECURITY PARTS KIT KIT PIÈCES DE SÉCURITÉ	
37	Espessura máxima (total do vidro) Maximum thickness (total of glass) Épaisseur maximale (totale du verre)

VIDRO INTERIOR (Laminado) INTERIOR GLASS (Laminated) VITRAGE INTERIEUR (laminé)	
6 mm	Com caixa de ar 20mm Air space lame d'air
8 mm	Com caixa de ar 18mm Air space lame d'air
10 mm	Com caixa de ar 16mm Air space lame d'air

NOTA: Outros enchimentos sob consulta.

Other fillings on request | Autres remplissages sur demande

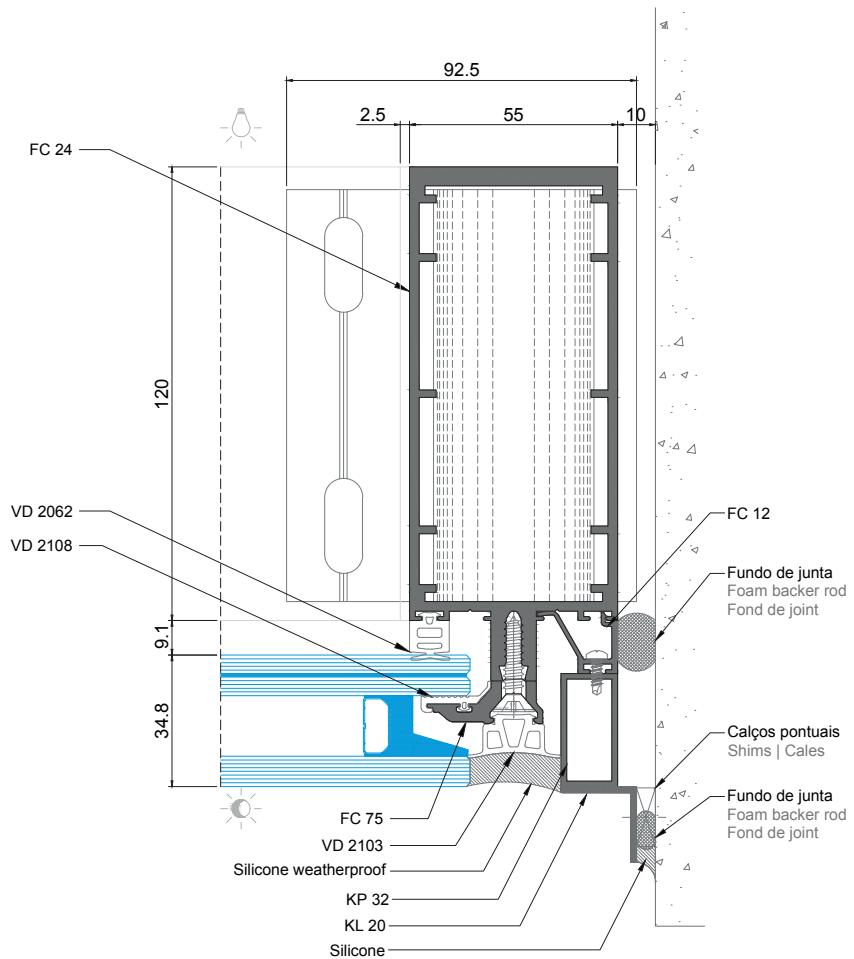
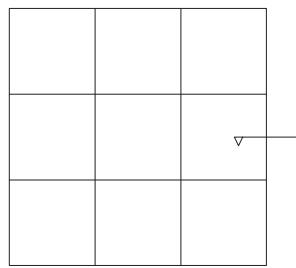
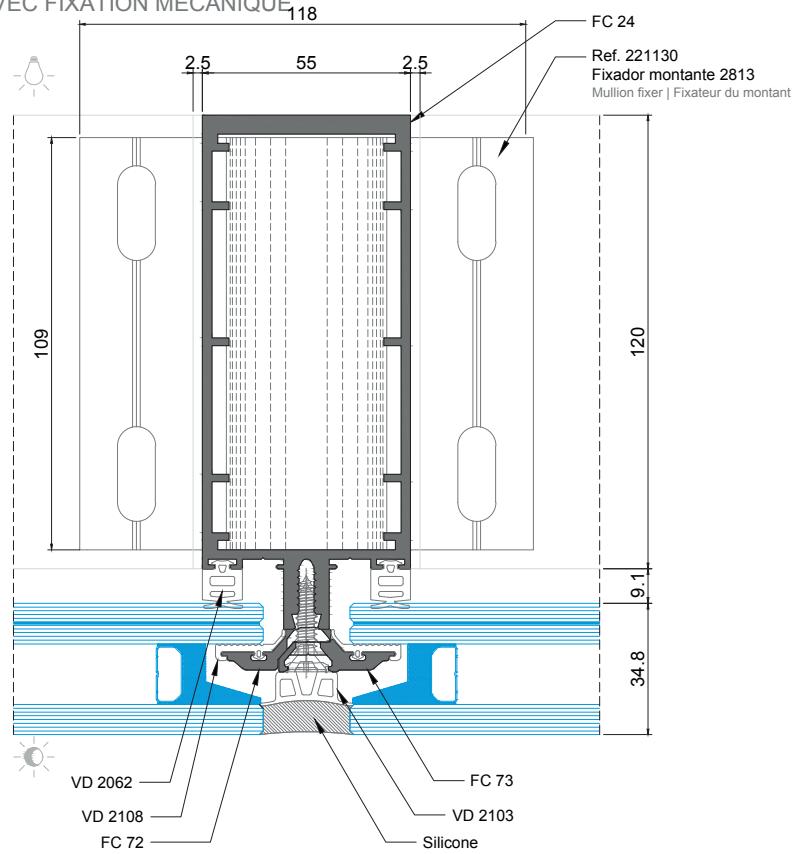
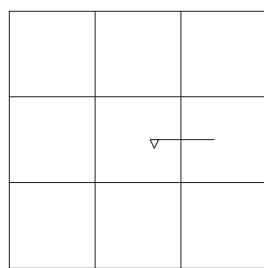
REMADE NA FACHADA FAÇADE FINISHING FINITIONS DE FAÇADE			
JE	Perfil remate PVC-FC PVC-FC Finishing profile Profilé de finition PVC-FC	JI	Junta RT RT Joint Joint RT
VD 2055	1 Un.	VD 2027	RT 005
VD 2055	1 Un.	VD 2062	RT 002
VD 2055	2 Un.	VD 2058	RT 003



FACHADA FC DEC

STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING

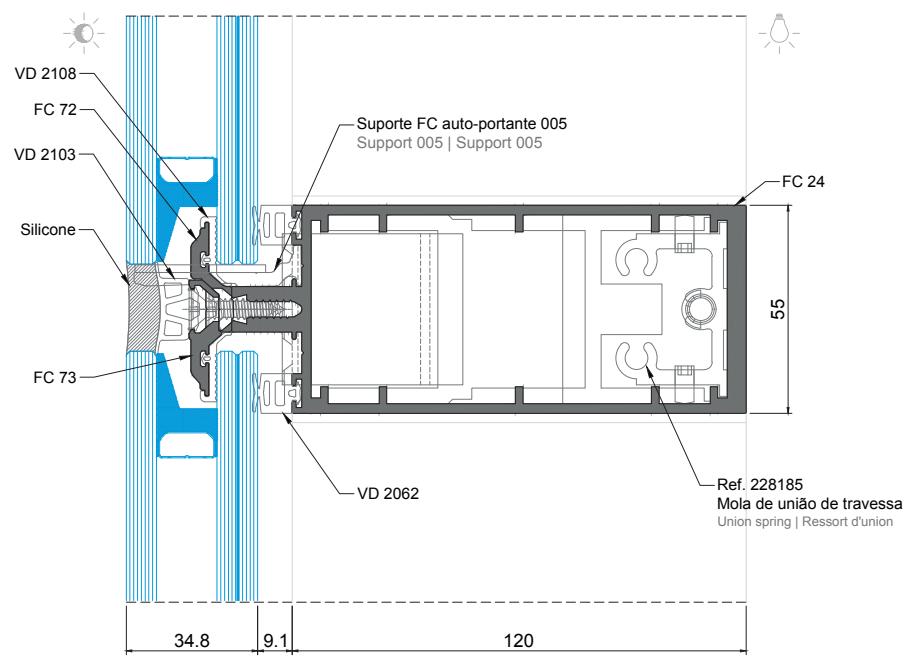
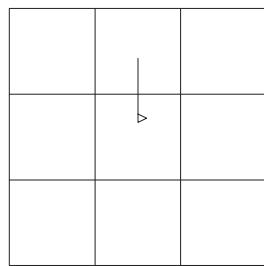
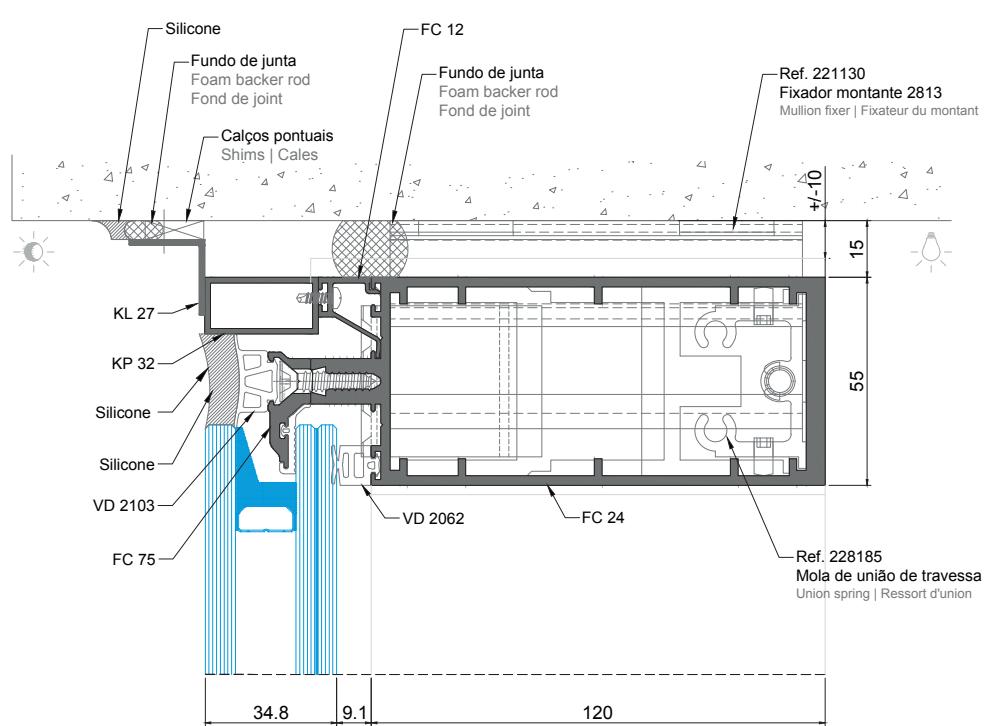
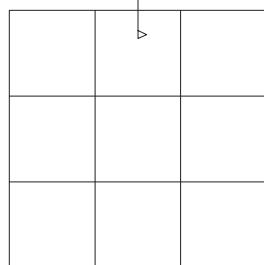
MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE



FACHADA FC DEC

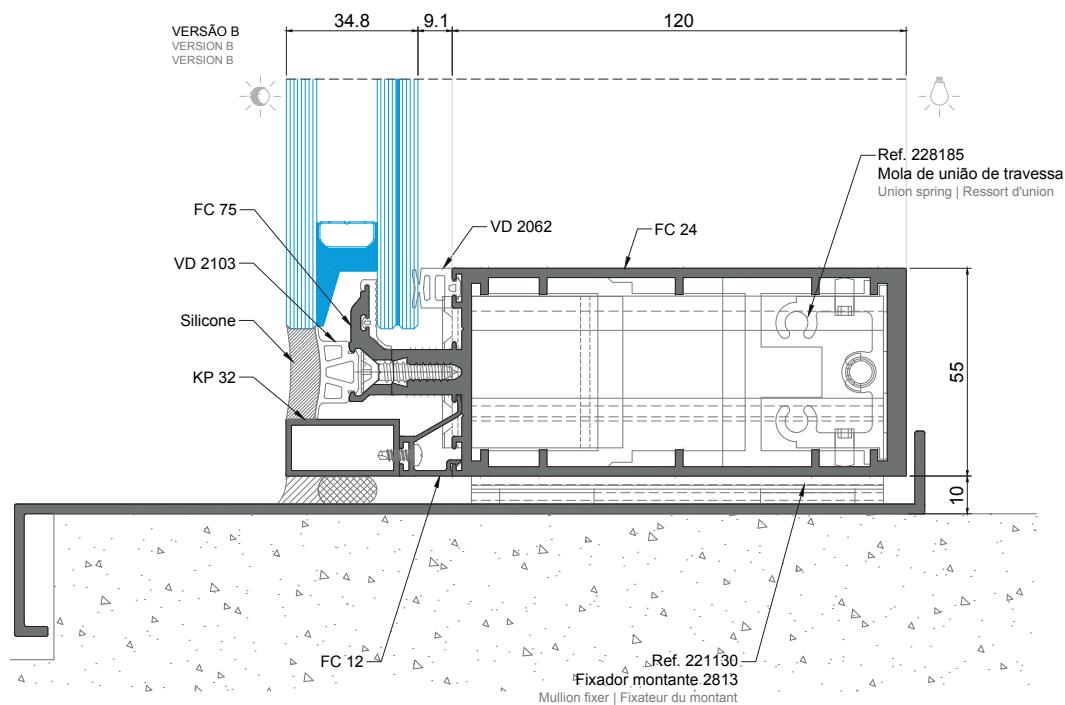
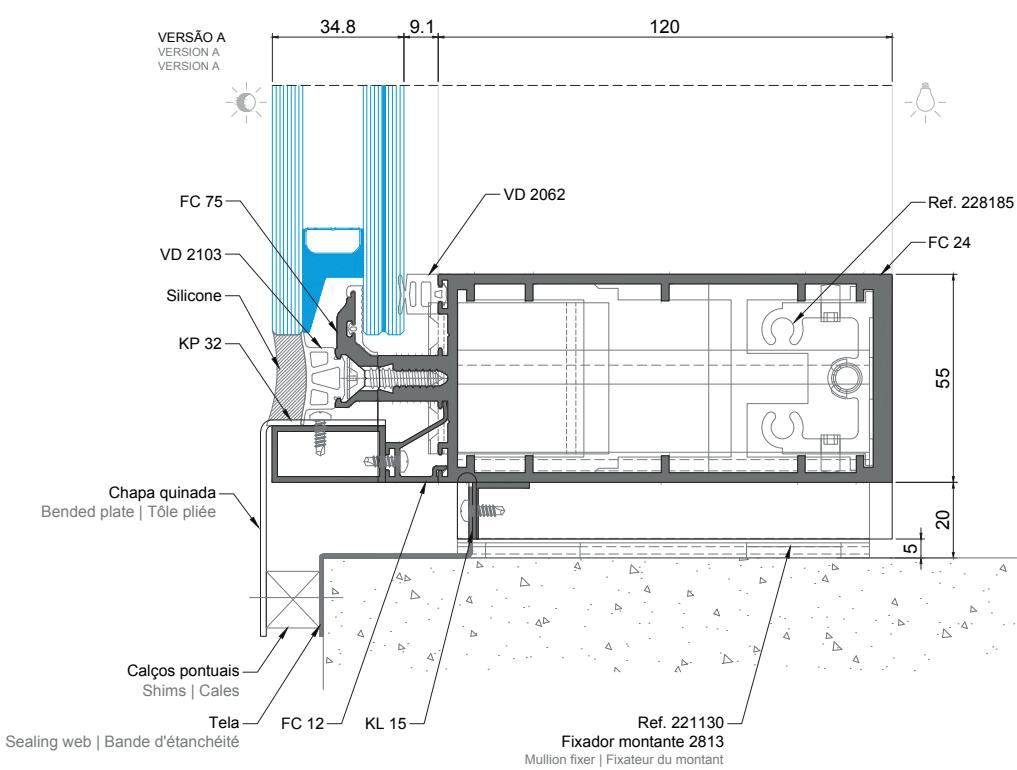
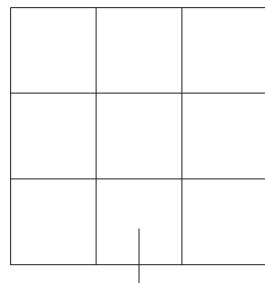
STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING

MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE



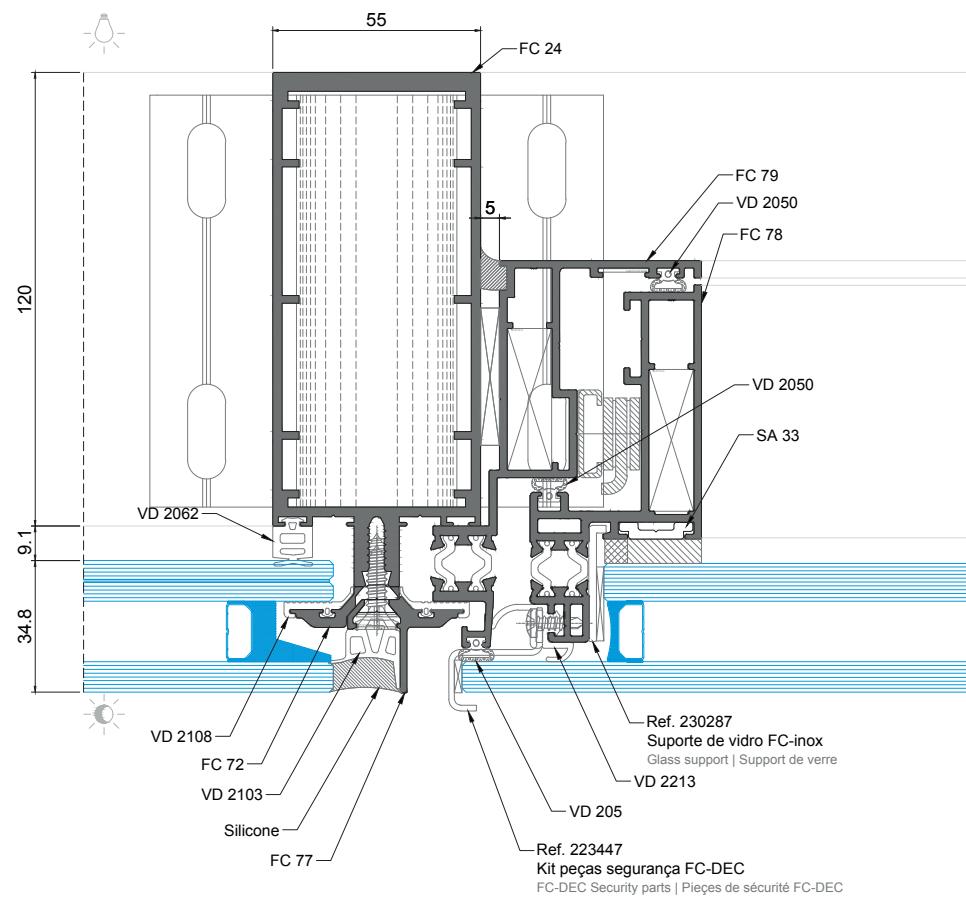
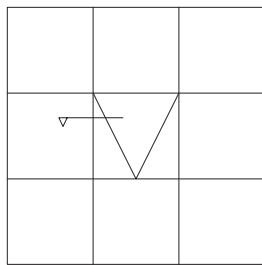
FACHADA FC DEC

STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING
MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE



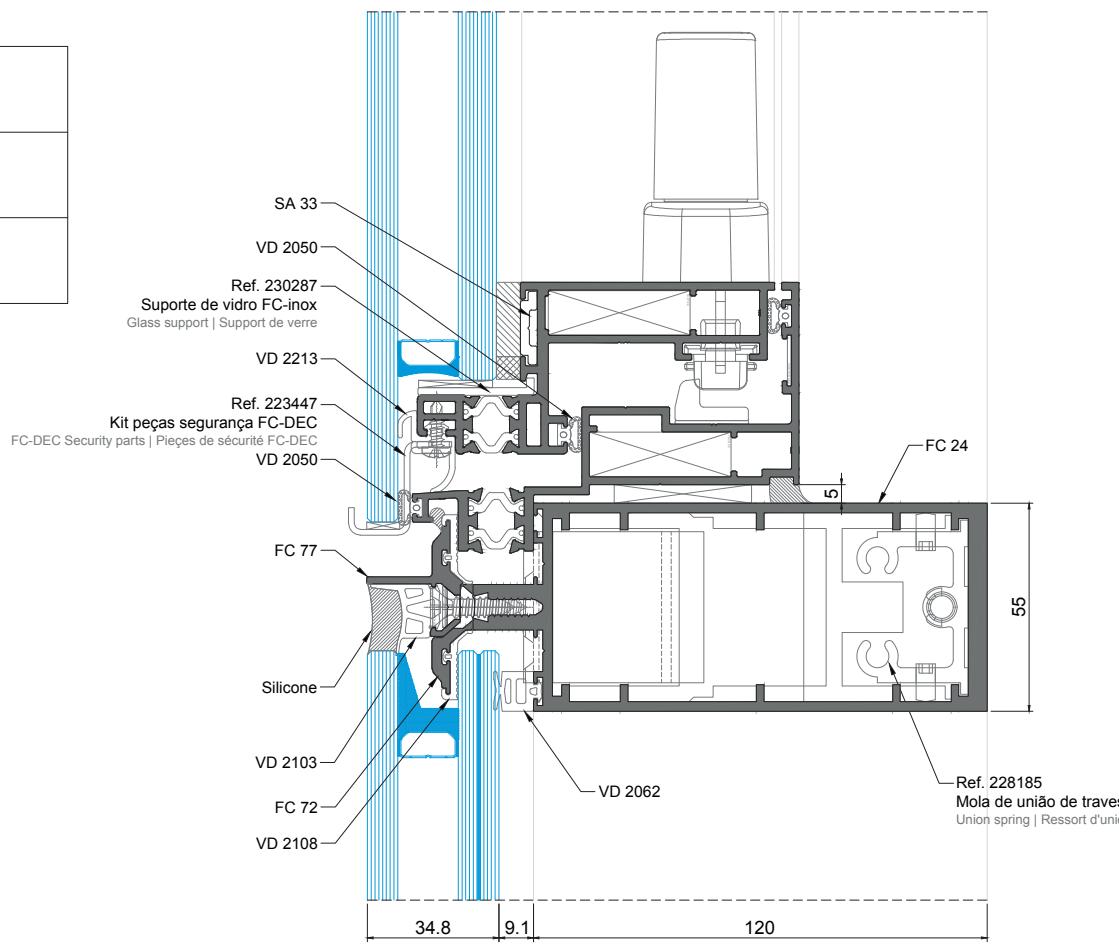
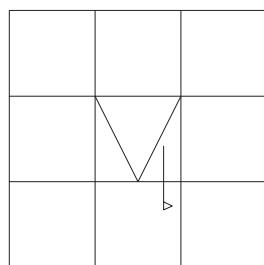
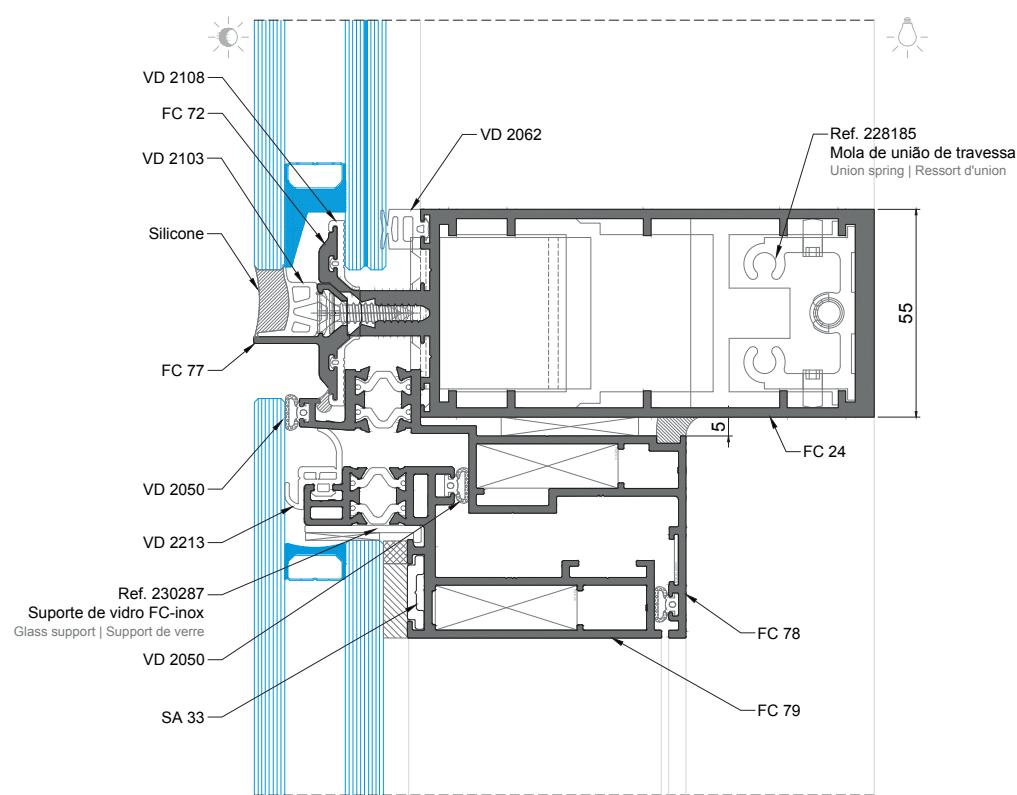
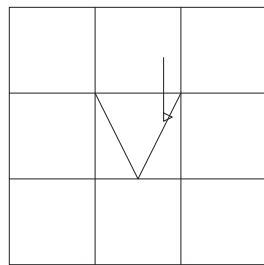
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STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING
MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE



FACHADA FC DEC

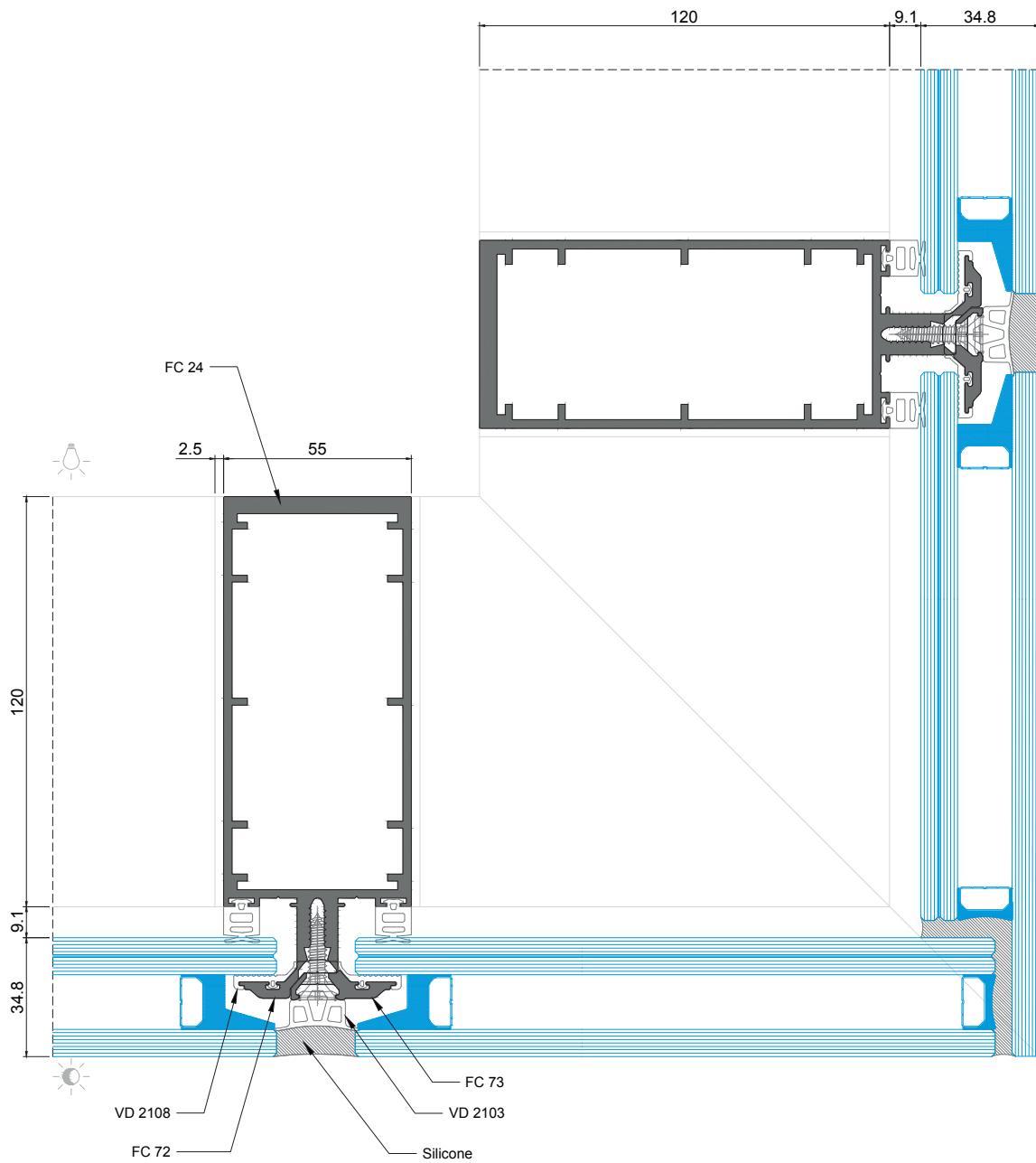
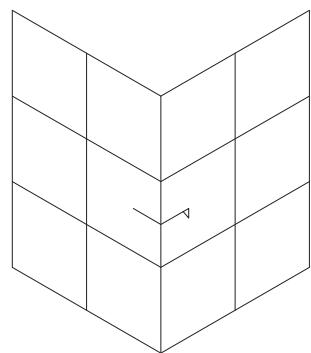
STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING
MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE



FACHADA FC DEC - CANTO CÔNCAVO 90° COM VIDRO

STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING - CONCAVE CORNER 90° WITH GLASS

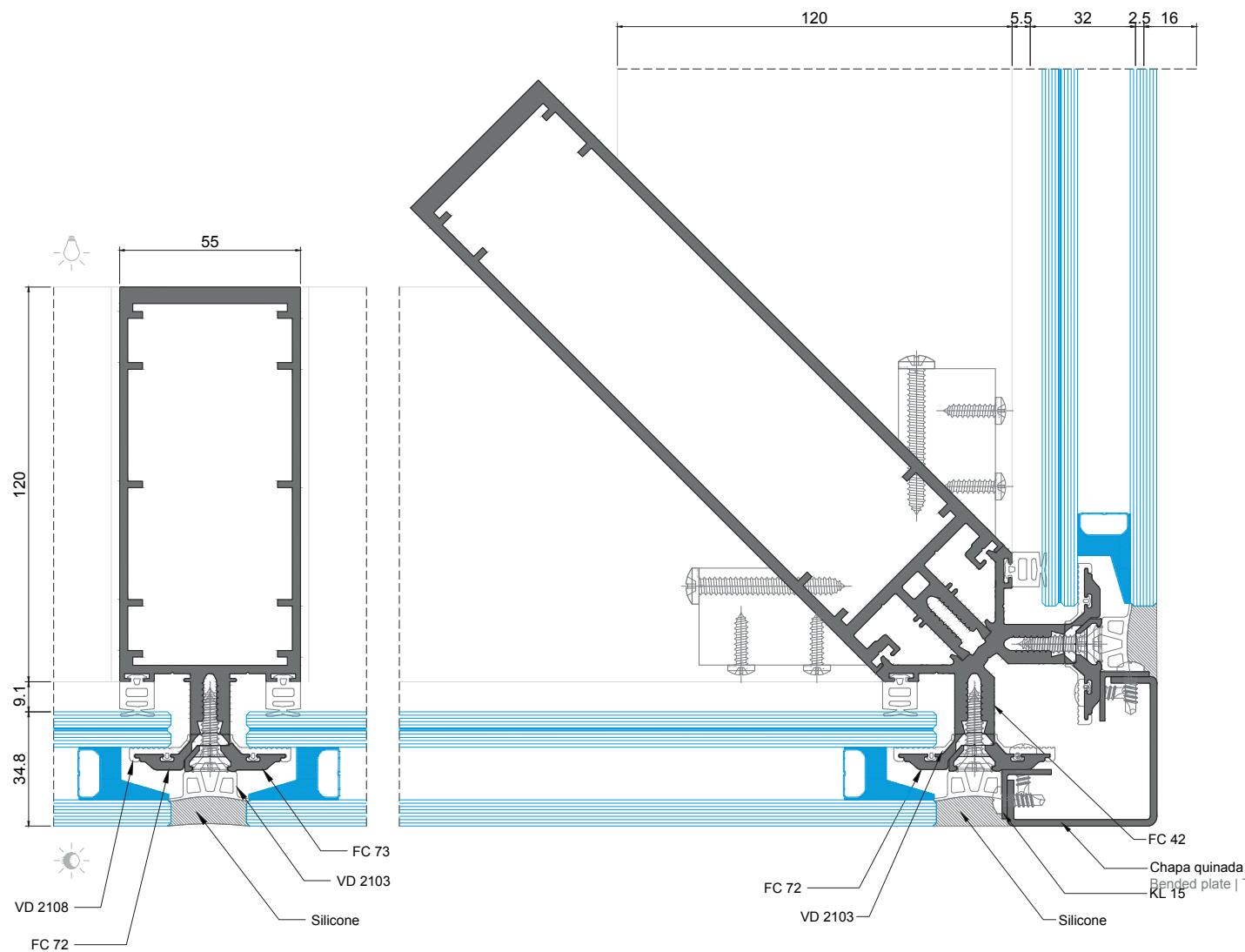
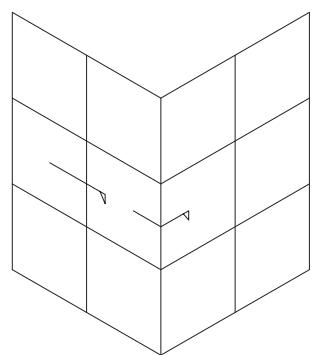
MUR RIDEAU EN VERRE STUCTUREL AVEC FIXATION MÉCANIQUE - ANGLE CONCAVE 90° AVEC VERRE



FACHADA FC DEC - CANTO CÔNCAVO 90° COM CHAPA E COM FC 42

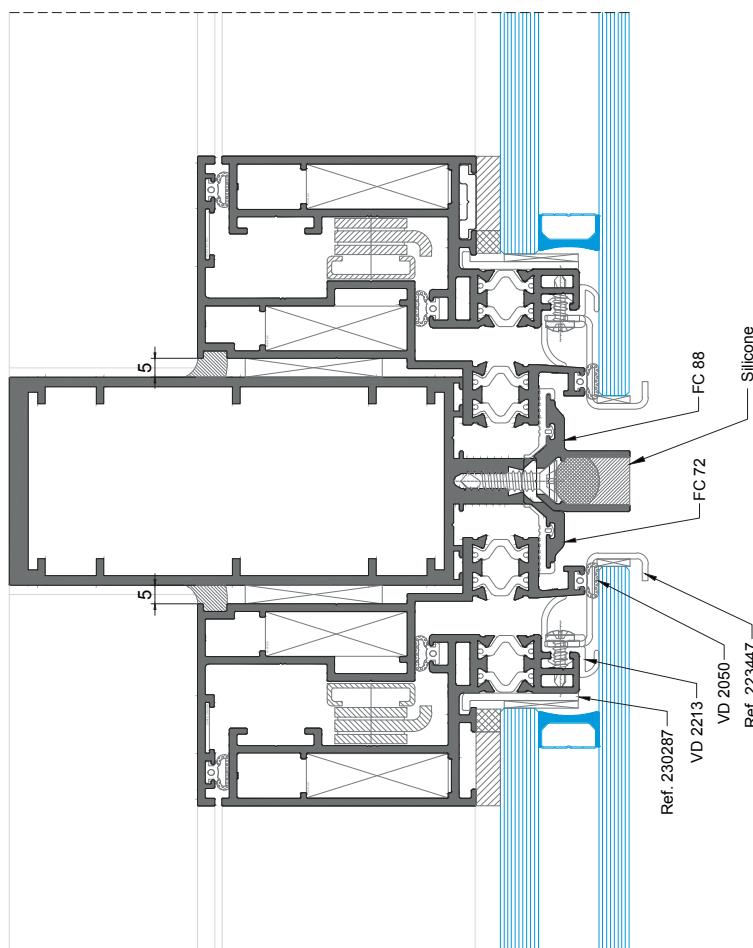
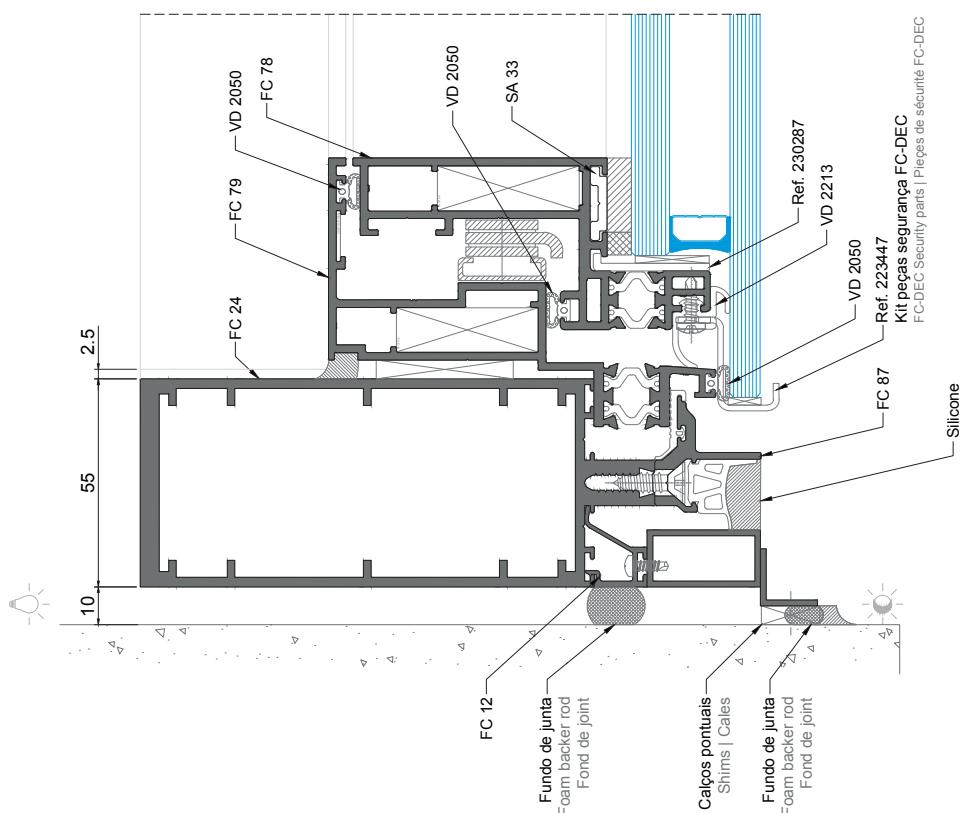
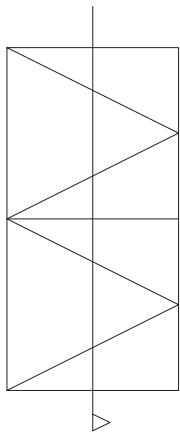
STRUCTURAL GLAZING CURTAIN WALL WITH MECHANICAL FIXING - CONCAVE CORNER 90° WITH PLATE AND FC 42 PROFILE

MUR RIDEAU EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE - ANGLE CONCAVE 90° AVEC PLAQUE ET PROFILÉ FC 42



JANELA PROJECTANTE FC DEC - CORTE HORIZONTAL

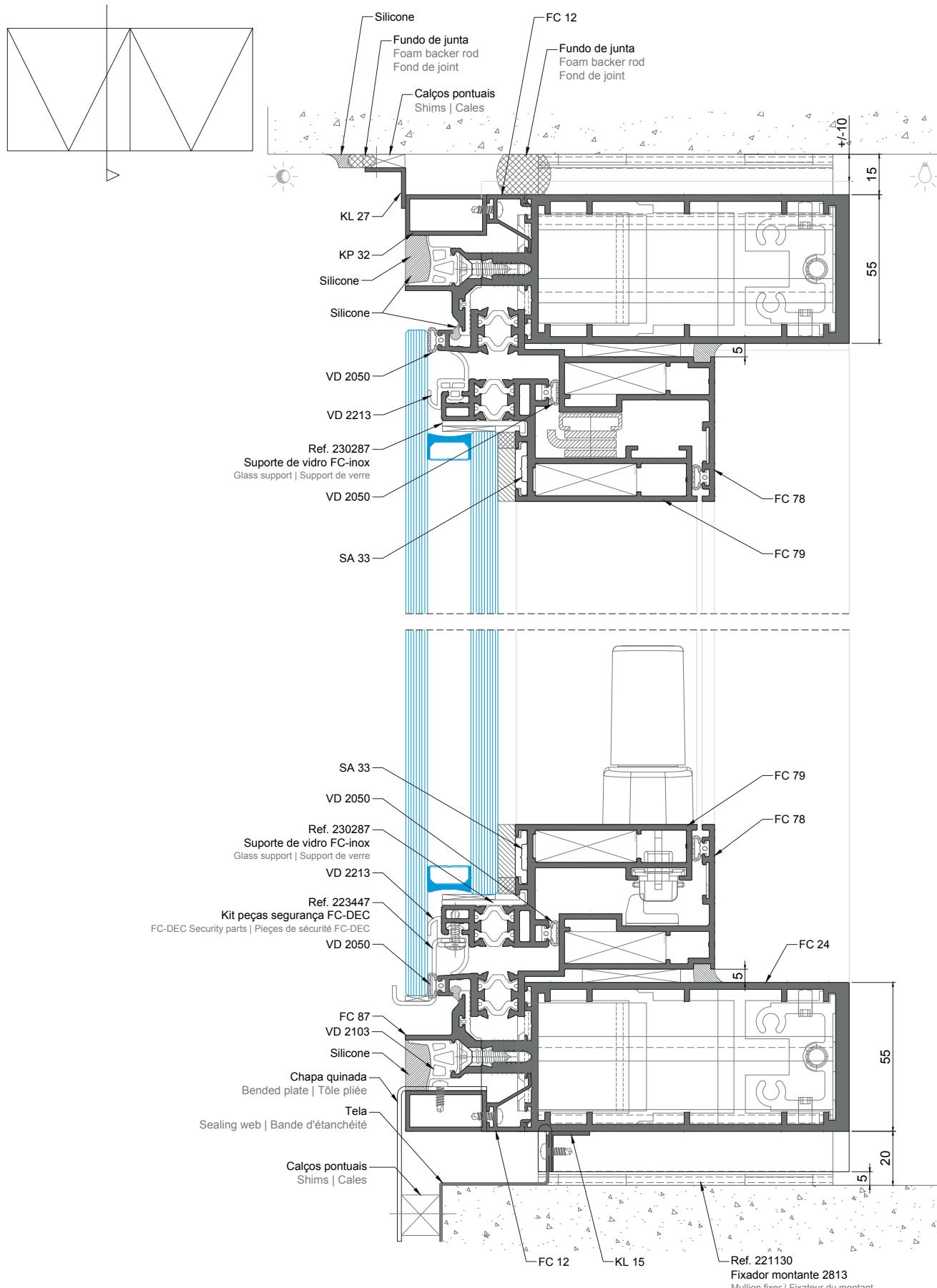
STRUCTURAL GLAZING WITH MECHANICAL FIXING AWNING WINDOW - HORIZONTAL SECTION
FENÈTRE EN VERRERIE STRUCTUREL AVEC FIXATION MÉCANIQUE OUVERTURE À L'ITALIENNE - SECTION HORIZONTALE



JANELA PROJECTANTE FC DEC - CORTE VERTICAL

STRUCTURAL GLAZING WITH MECHANICAL FIXING AWNING WINDOW - VERTICAL SECTION

FENÊTRE EN VERRE STRUCTUREL AVEC FIXATION MÉCANIQUE OUVERTURE À L'ITALIENNE - SECTION VERTICALE



IX

MAQUINAÇÕES, CORTES E FRESAGENS MACHININGS, CUTS AND MILLINGS USINAGES, COUPES ET FRAISAGES

Medidas de corte FC FC Cutting measures Mesures de coupe FC	IX . 1
Medidas de corte FC-DEC FC-DEC Cutting measures Mesures de coupe FC-DEC	IX . 2
Maquinações e Fresagens de Quadros Fixed Frames Machinings and Millings Usinages et Fraisages des Cadres	IX . 3

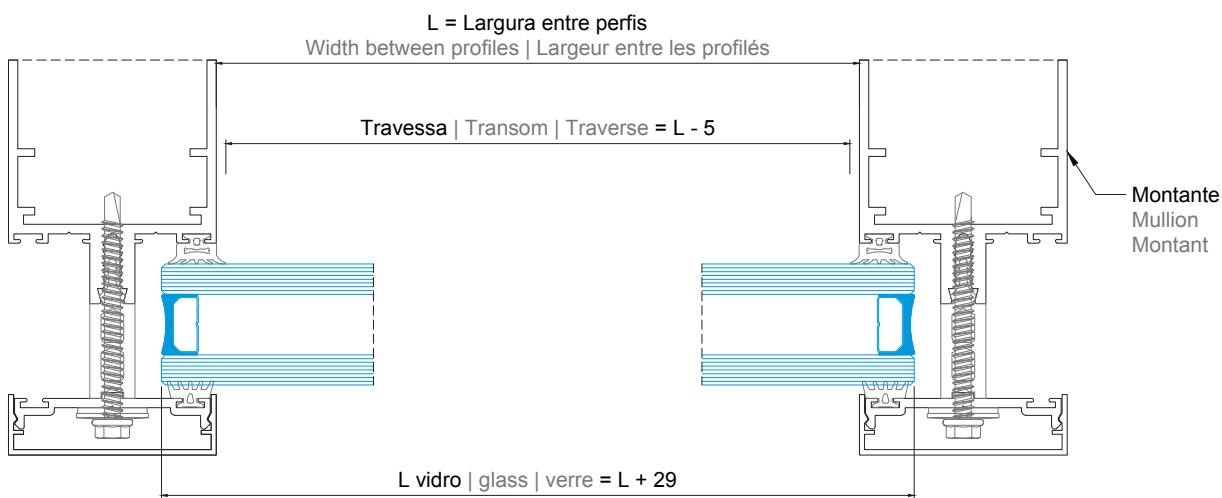
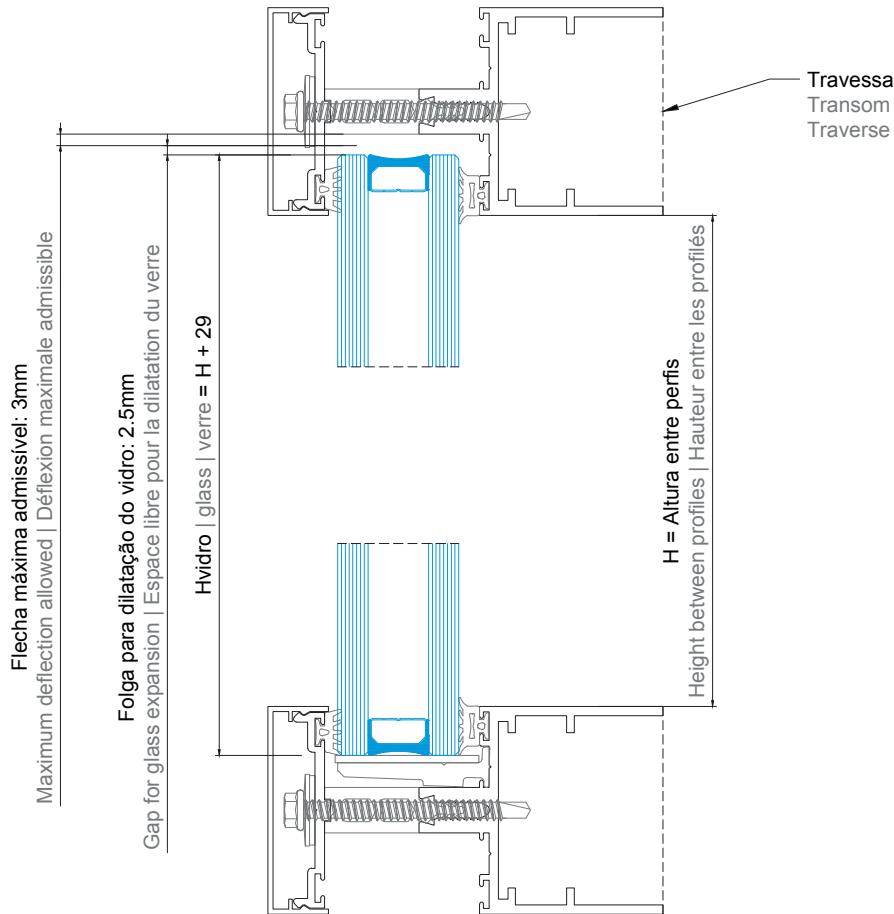
IX . 1

Medidas de corte FC
FC Cutting measures
Mesures de coupe FC

FACHADA ESTRUTURAL - TRADICIONAL COM TAMPAS - MEDIDAS DE CORTE

CURTAIN WALL - WITH COVER CAPS - CUTTING MEASURES

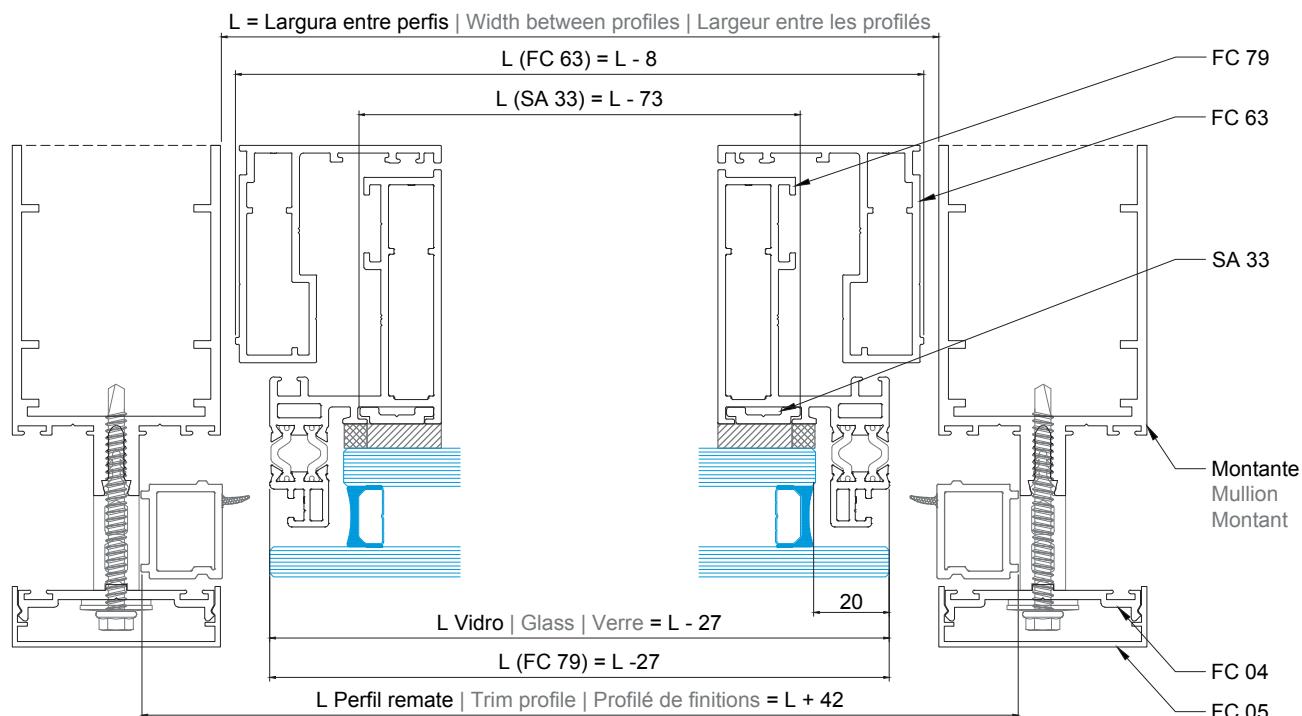
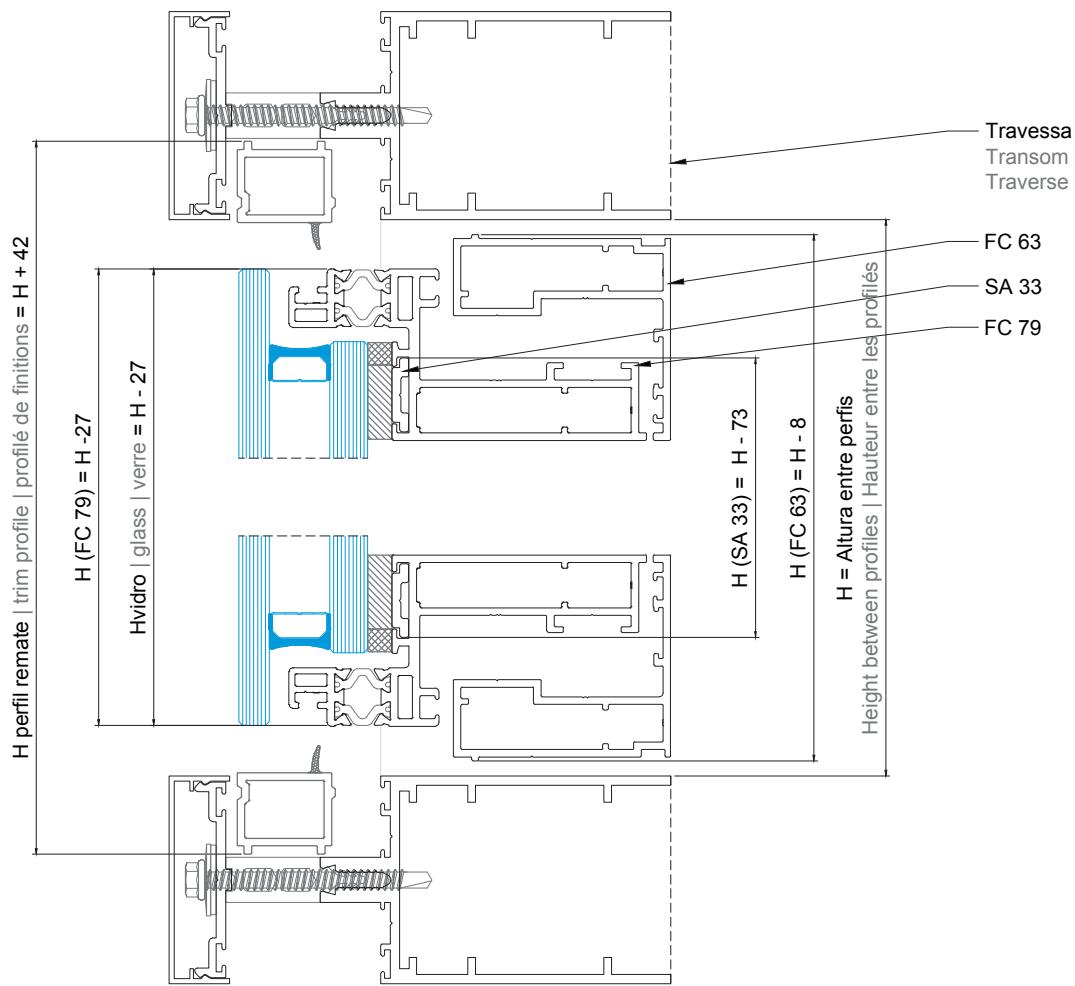
MUR RIDEAU - AVEC CAPOT - MESURES DE COUPE



FACHADA ESTRUTURAL - TRADICIONAL COM TAMPAS - MEDIDAS DE CORTE

CURTAIN WALL - WITH COVER CAPS - CUTTING MEASURES

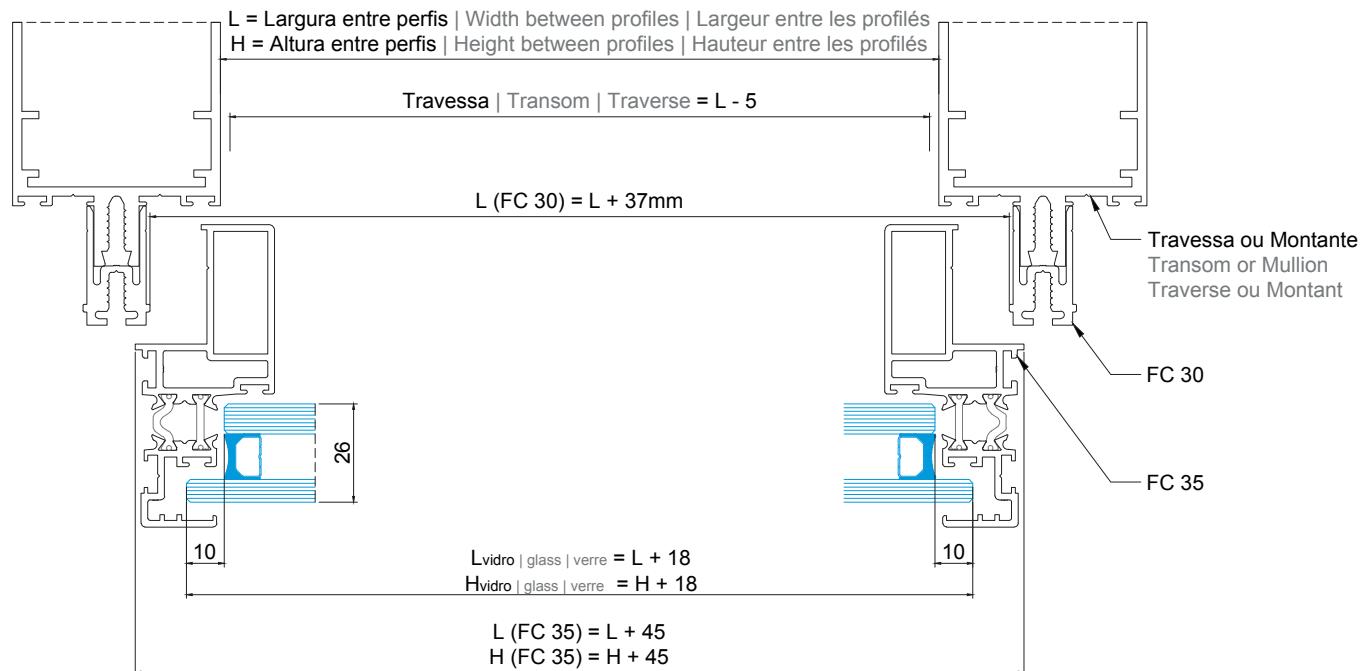
MUR RIDEAU - AVEC CAPOT - MESURES DE COUPE



FACHADA SEMI OCULTA FC 35

CURTAIN WALL - VEB

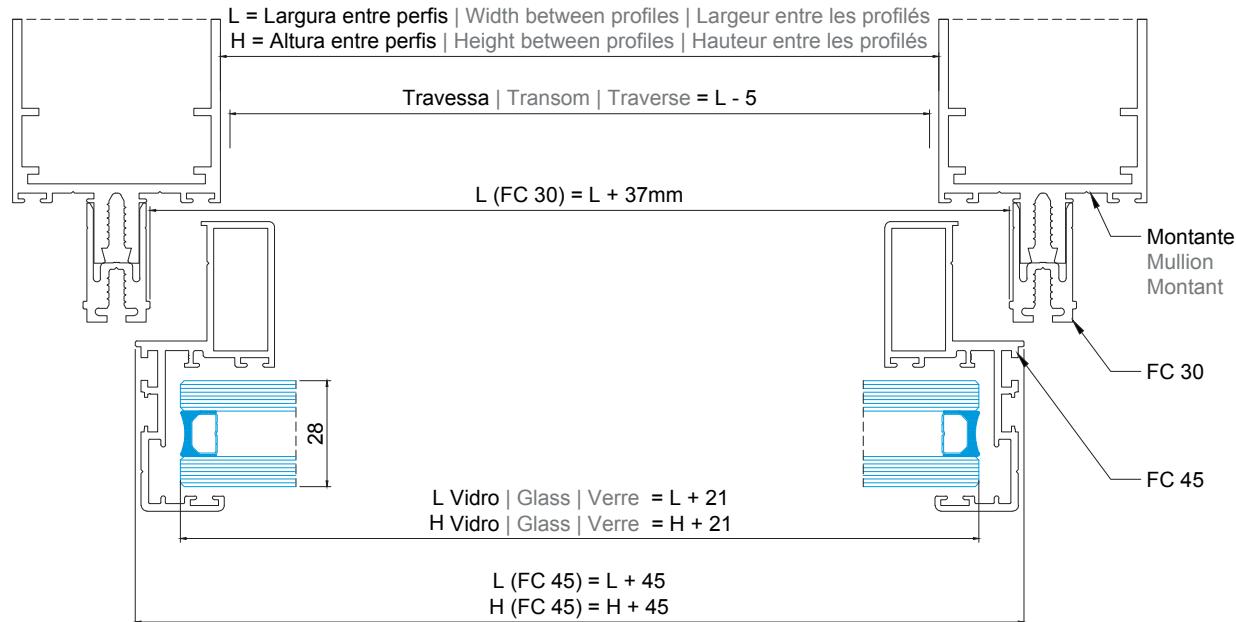
MUR RIDEAU - VEP



FACHADA SEMI OCULTA FC 45

CURTAIN WALL - VEB

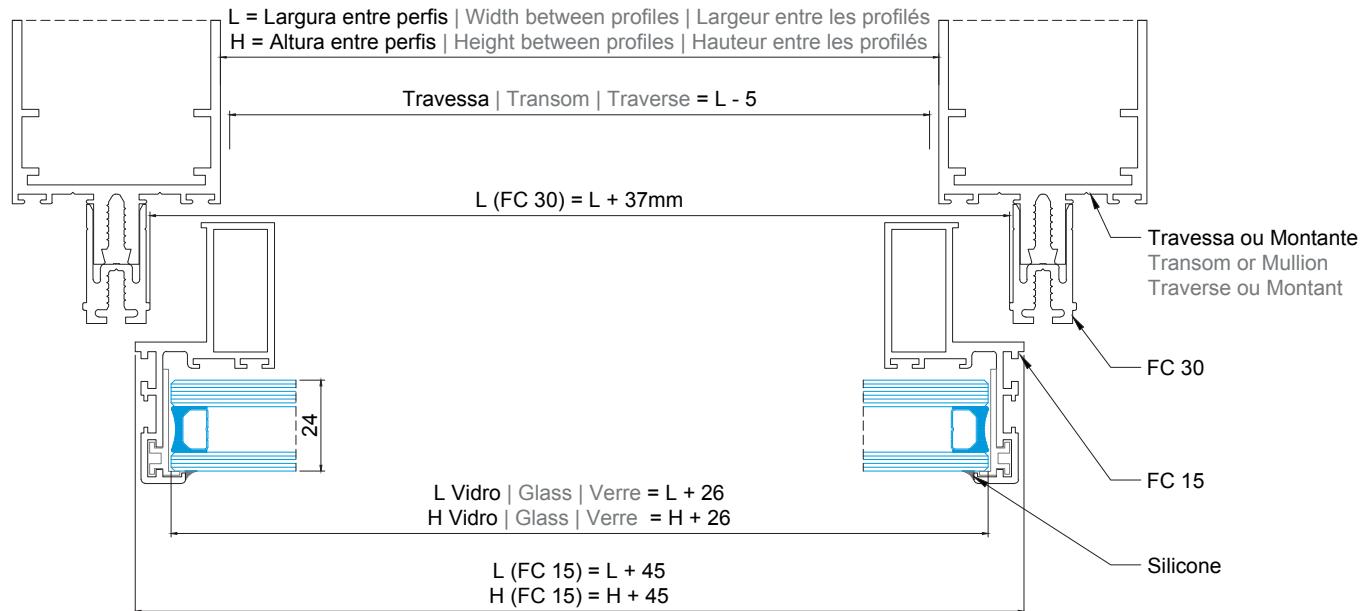
MUR RIDEAU - VEP



FACHADA SEMI OCULTA FC 15

CURTAIN WALL - VEB

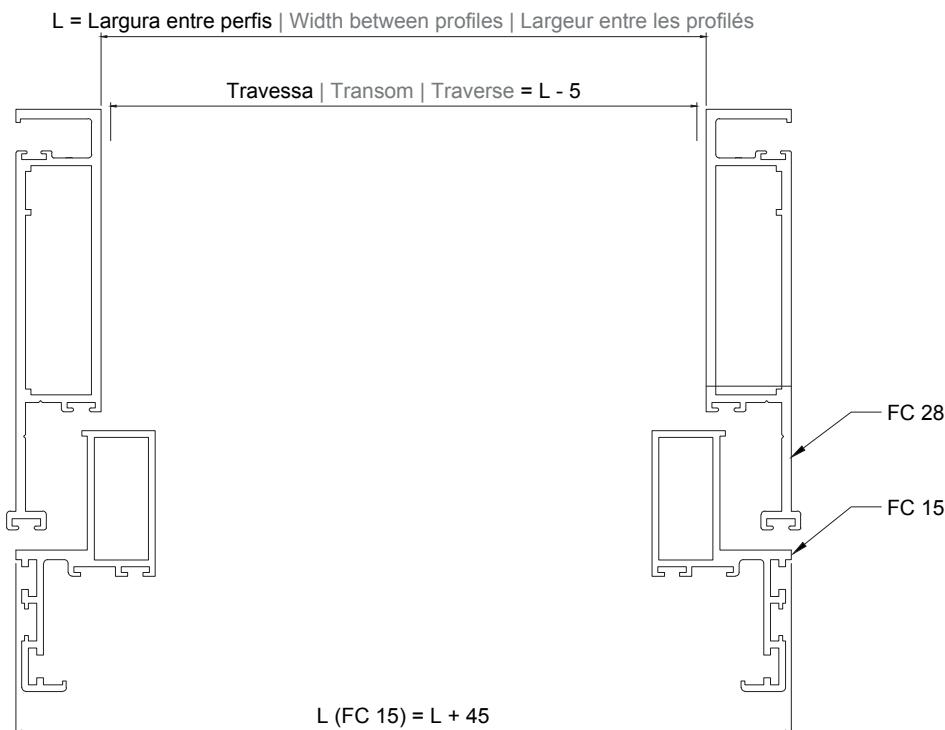
MUR RIDEAU - VEP



FACHADA SEMI OCULTA FC 15 + FC 28

CURTAIN WALL - VEB

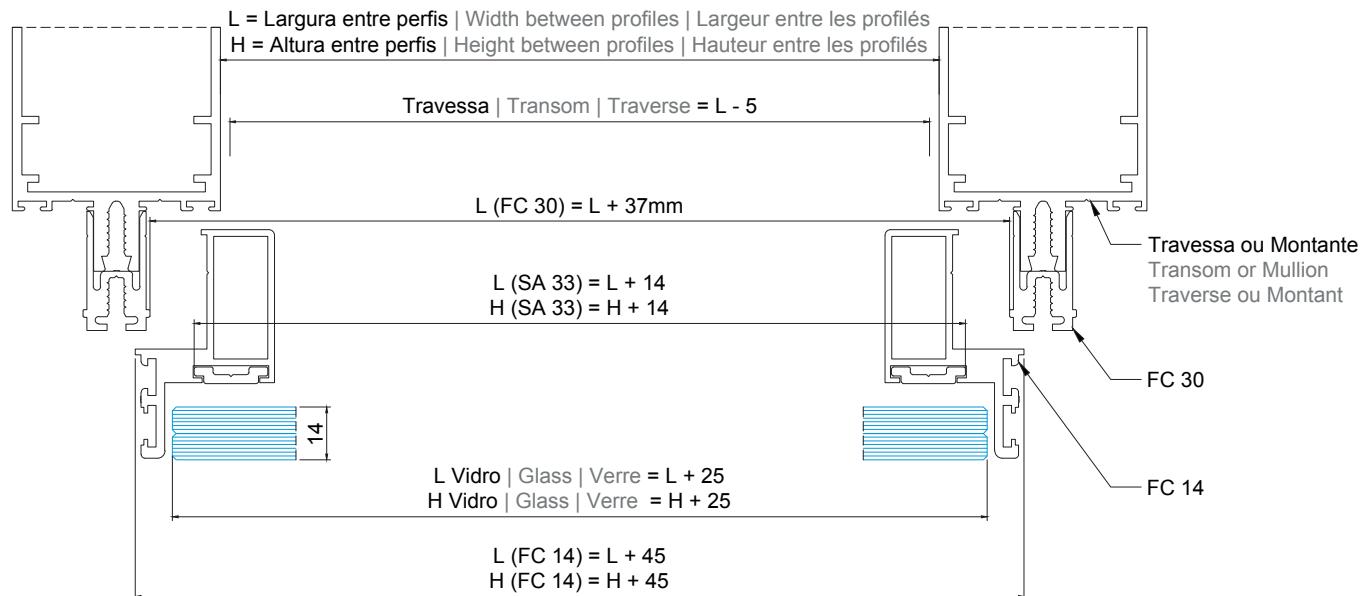
MUR RIDEAU - VEP



FACHADA OCULTA FC 14 VIDRO RETO

CURTAIN WALL - ESTRUTURAL GLAZING

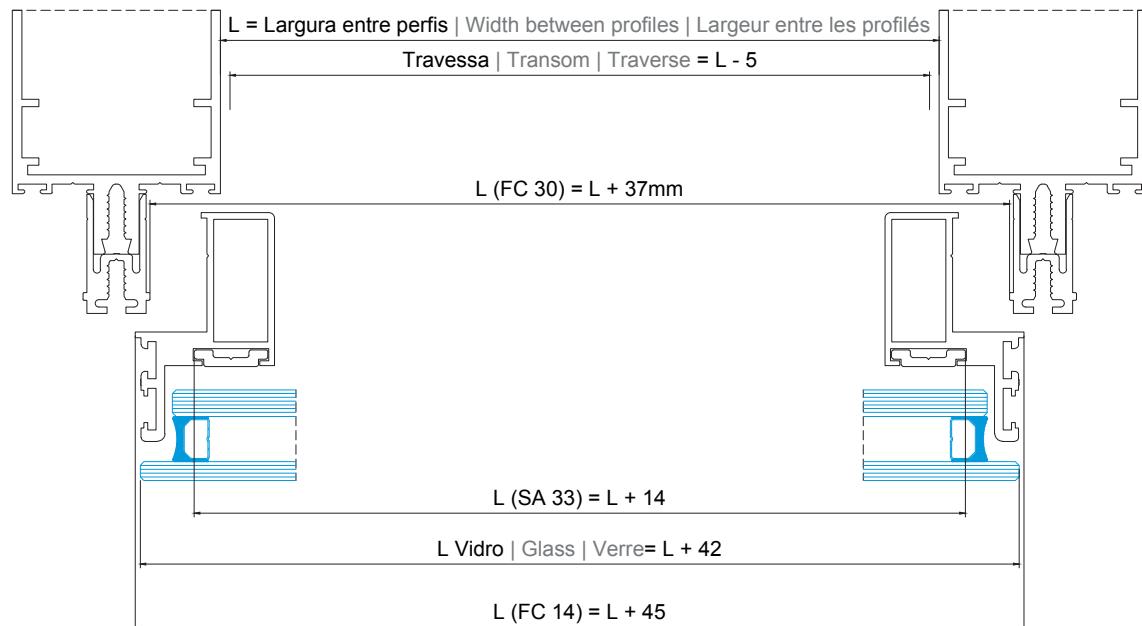
MUR RIDEAU - VEC



FACHADA OCULTA FC 14 VIDRO DECALADO

CURTAIN WALL - ESTRUTURAL GLAZING

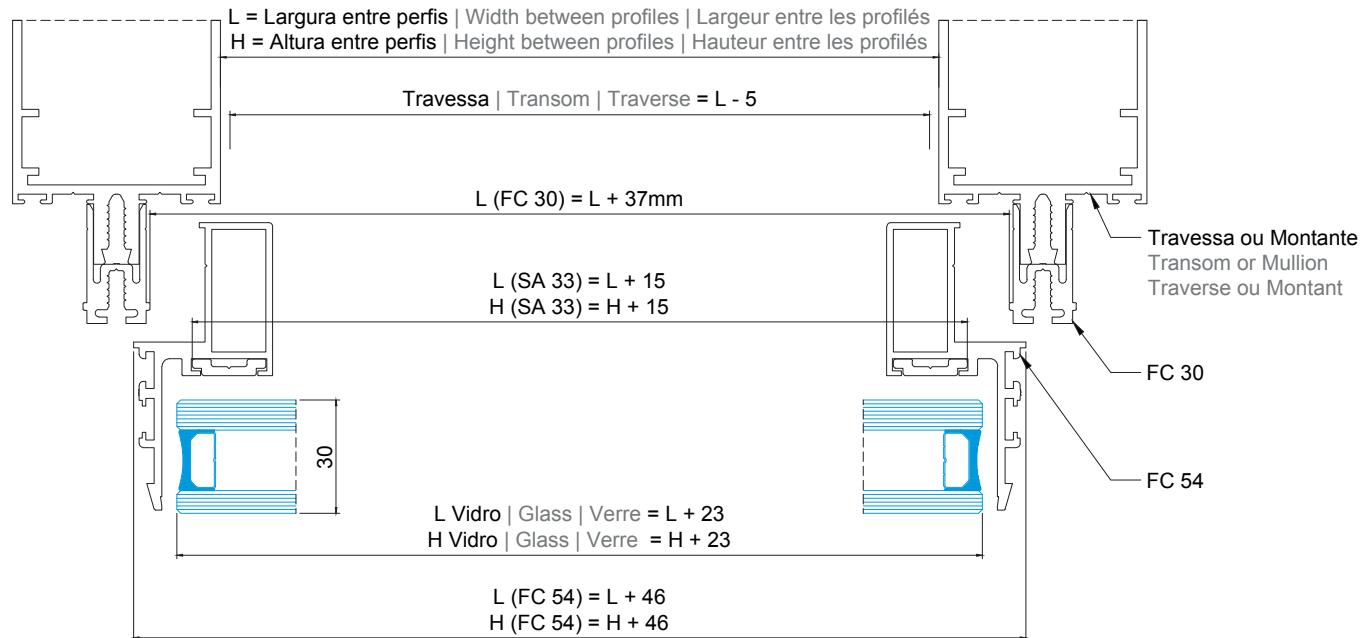
MUR RIDEAU - VEC



FACHADA OCULTA FC 54

CURTAIN WALL - ESTRUTURAL GLAZING

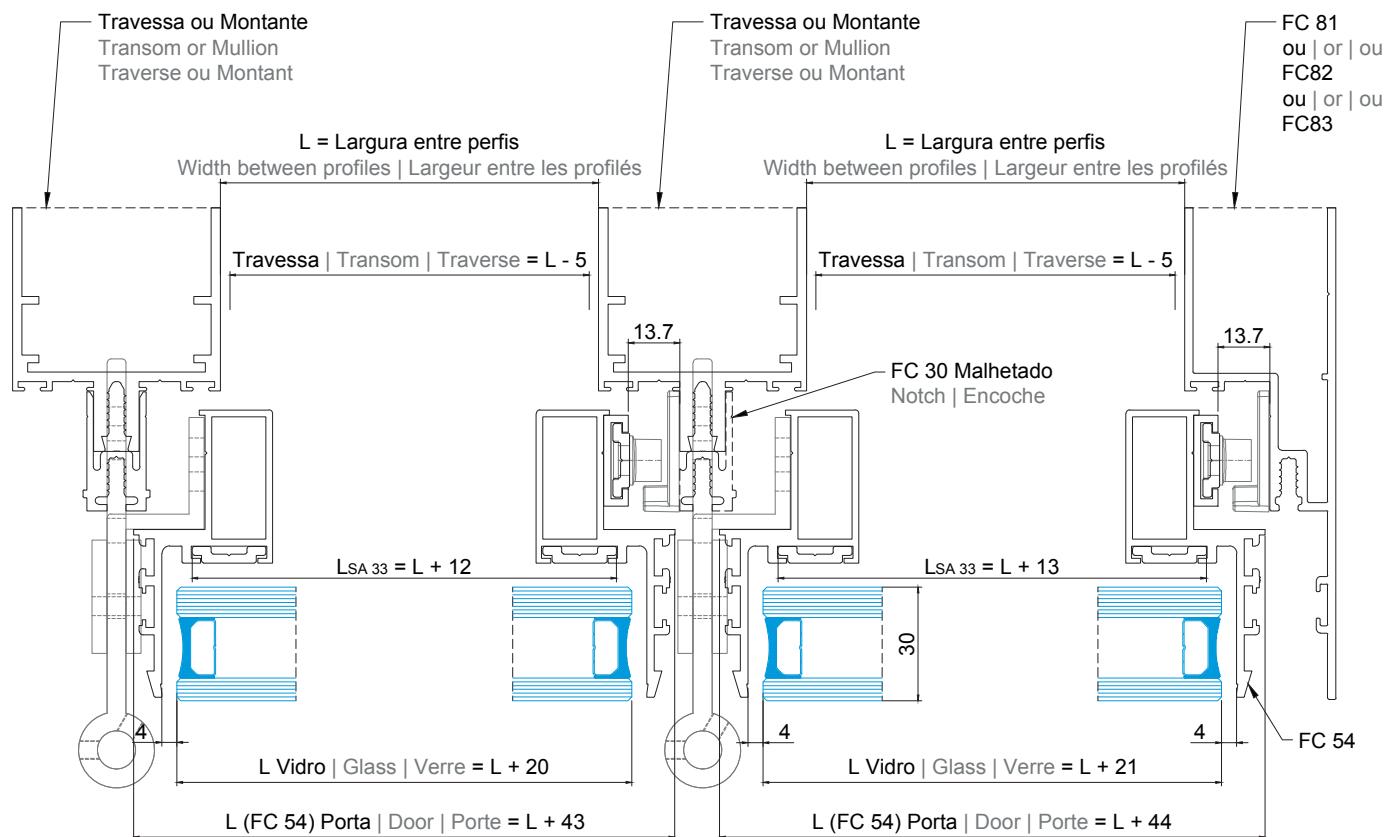
MUR RIDEAU - VEC



FACHADA OCULTA FC 54 - PORTA

CURTAIN WALL - ESTRUTURAL GLAZING

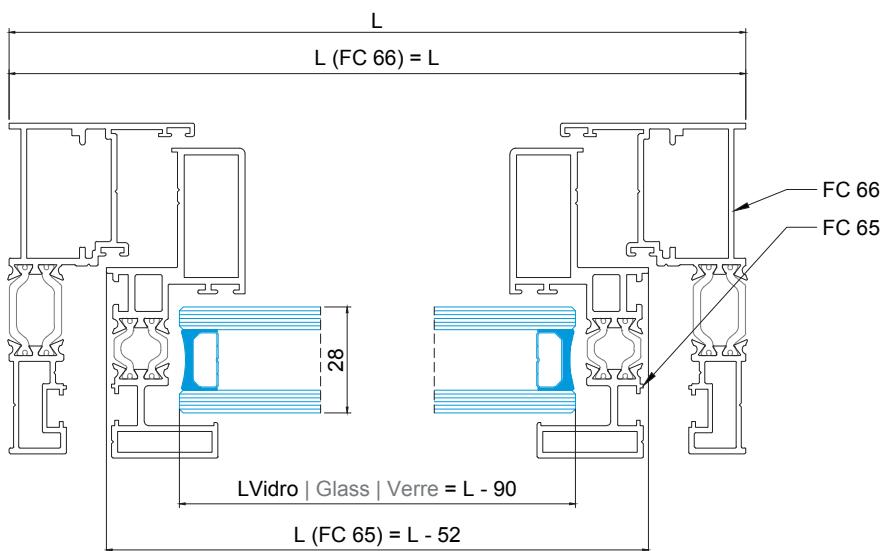
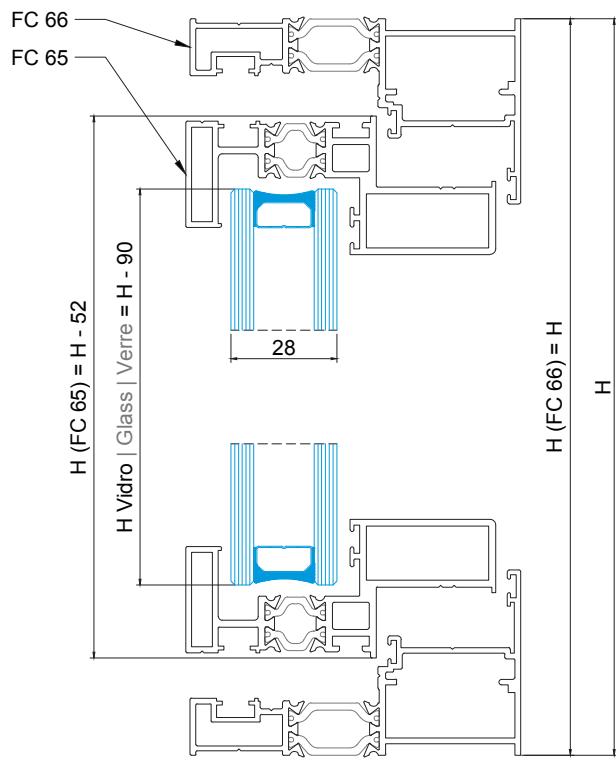
MUR RIDEAU - VEC



JANELA PROJECTANTE ISOLADA - SEMI OCULTA

WEB TOP HUNG WINDOW

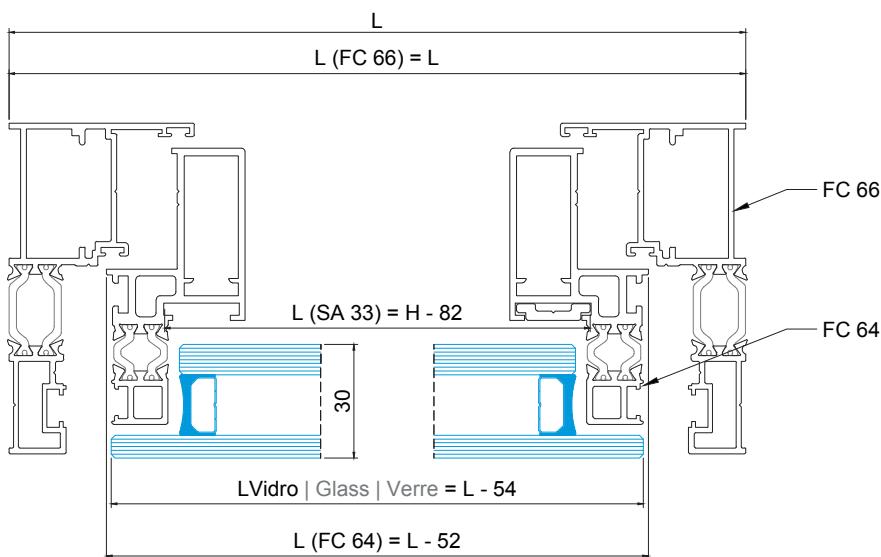
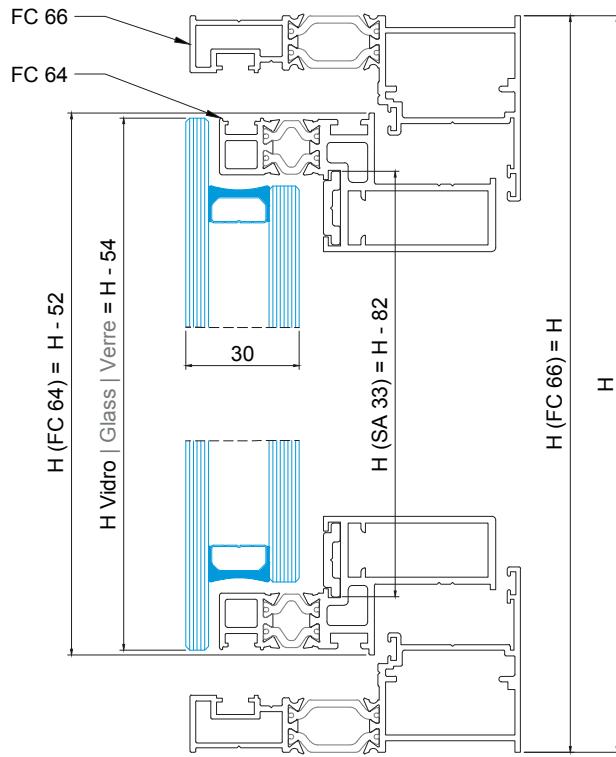
FENÊTRE OUVERTURE À L'ITALIENNE - VEP



JANELA PROJECTANTE ISOLADA - OCULTA

ESTRUTURAL GLAZED TOP HUNG WINDOW

FENÊTRE OUVERTURE À ITALIENNE - VEC

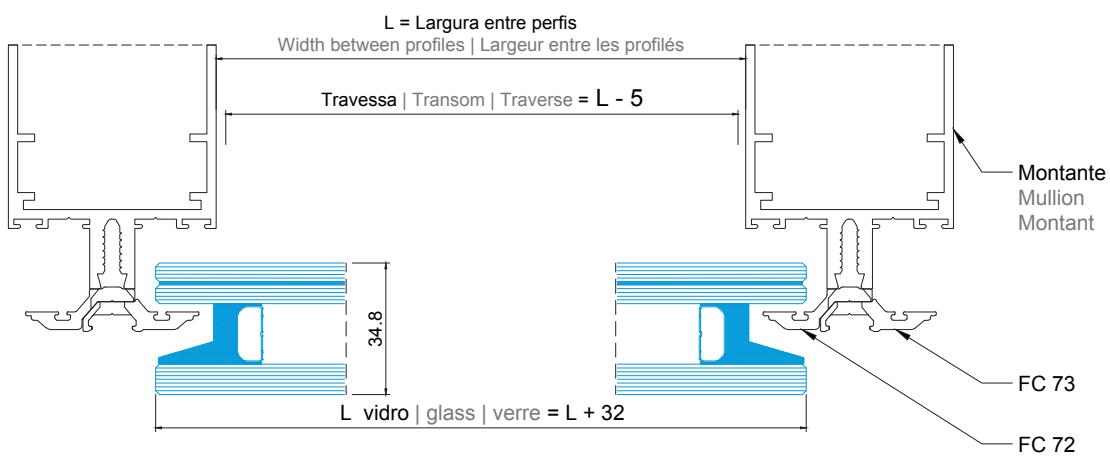
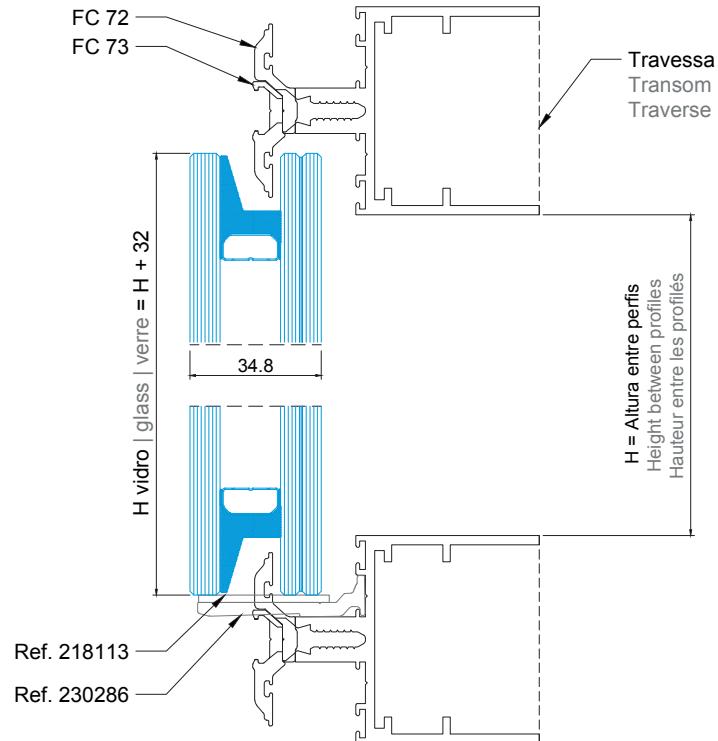


IX . 2

Medidas de corte FC-DEC
FC-DEC Cutting measures
Mesures de coupe FC-DEC

FACHADA FC DEC

CURTAIN WALL STRUCTURAL GLAZING DESIGN
MUR RIDEAU VEC DESIGN

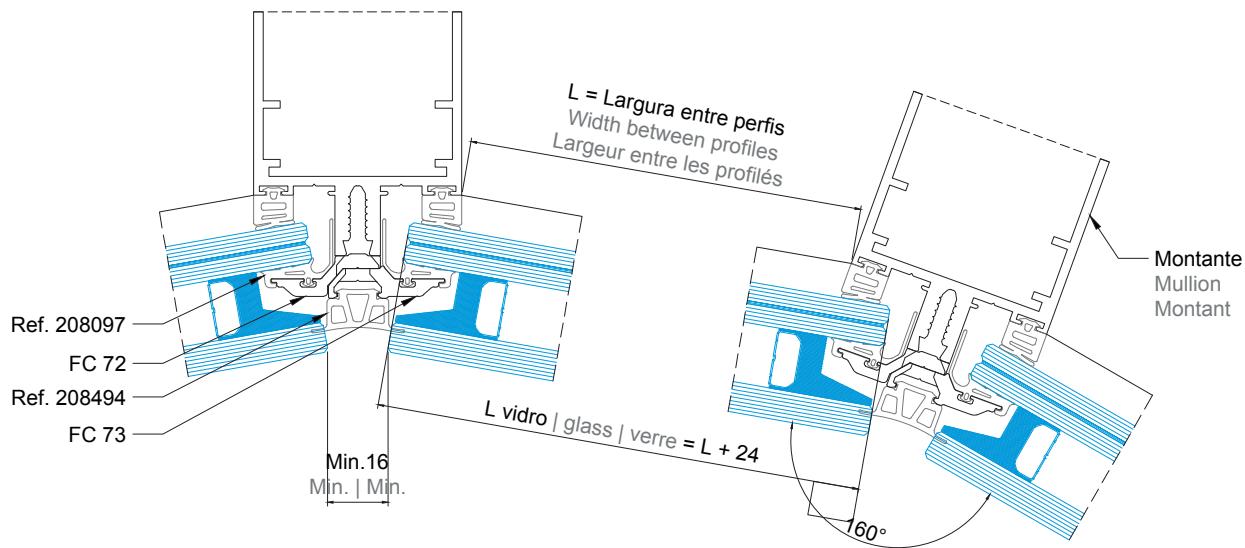


FACHADA FC DEC

CURTAIN WALL STRUCTURAL GLAZING DESIGN
MUR RIDEAU VEC DESIGN

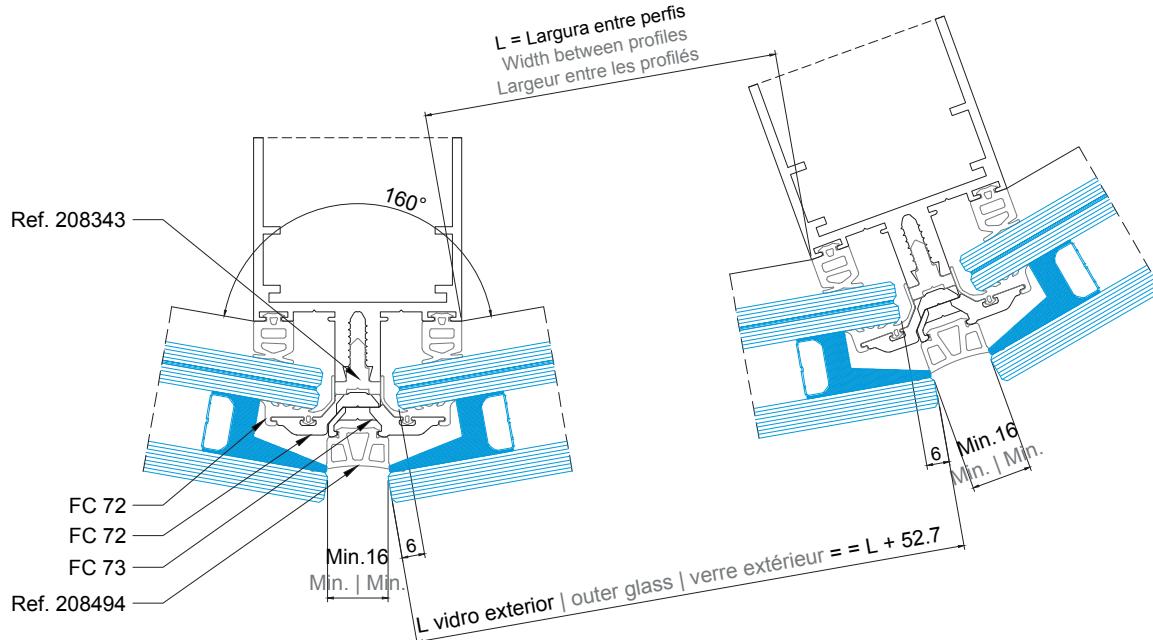
1) ÂNGULO CONCÂVO 160°

CONCAVE ANGLE 160° | ANGLE CONCAVE 160°



2) ÂNGULO CONVEXO 160°

CONVEX ANGLE 160° | ANGLE CONVEXE 160°

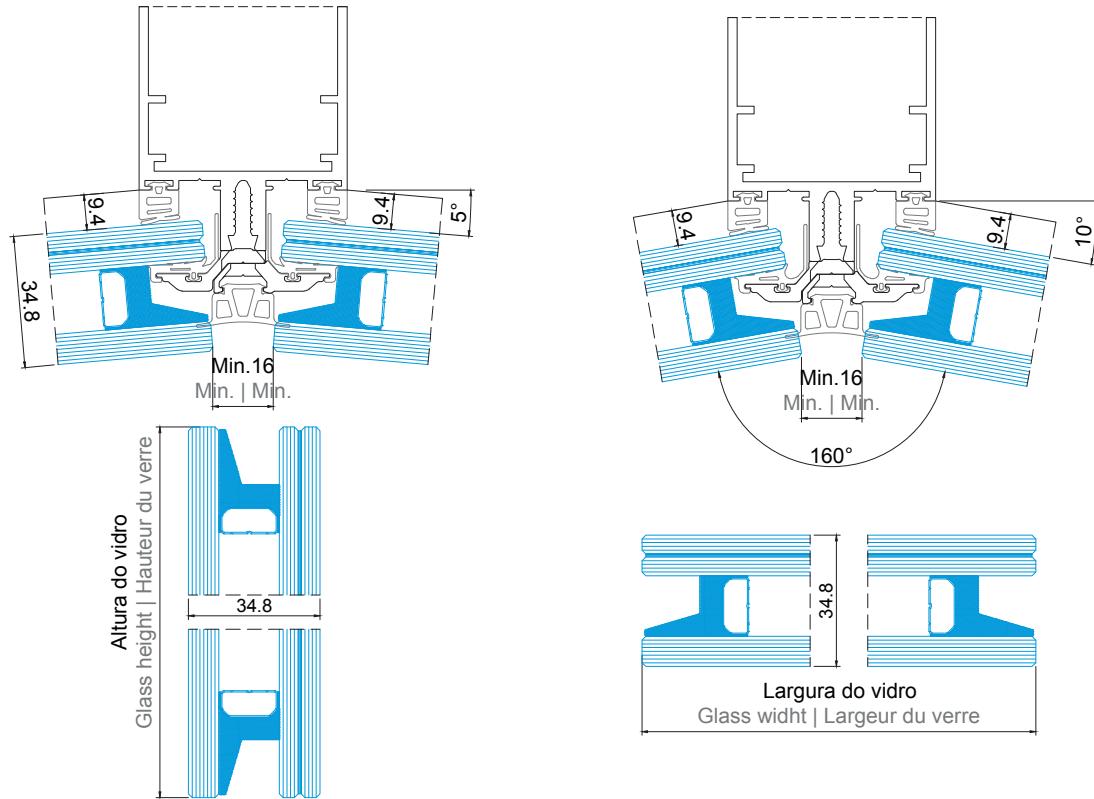


FACHADA FC DEC

CURTAIN WALL STRUCTURAL GLAZING DESIGN
MUR RIDEAU VEC DESIGN

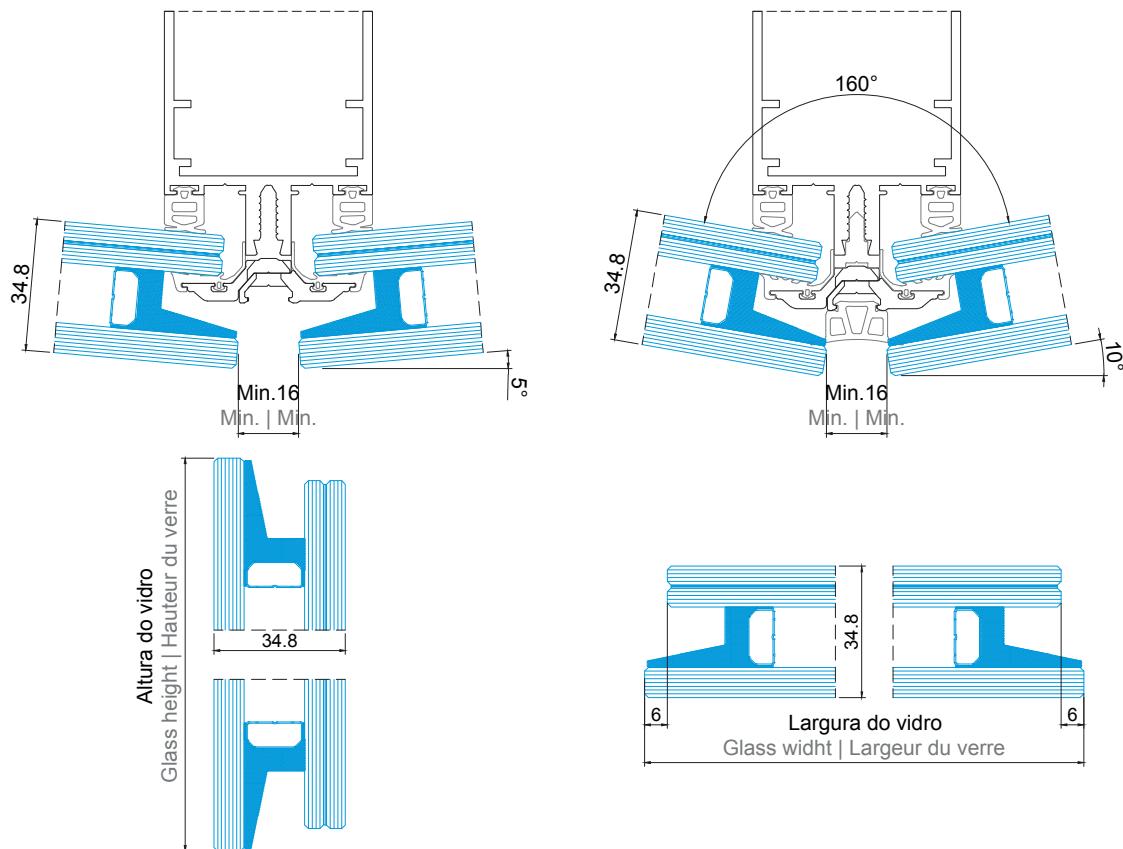
1) TIPOLOGIA DE VIDRO - VÃOS CURVOS CÔNCAVOS

GLASS TYPOLOGY - CONCAVE CURVED SPANS | TYPOLOGIE DU VERRE - TRAVÉES COURBES CONCAVES



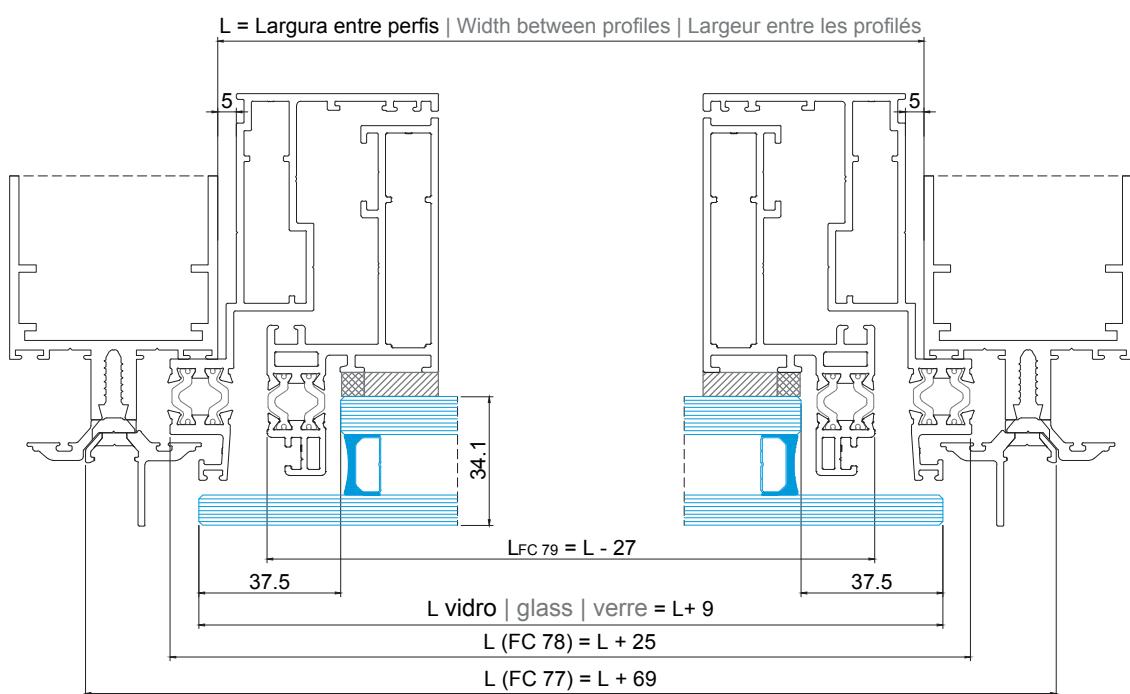
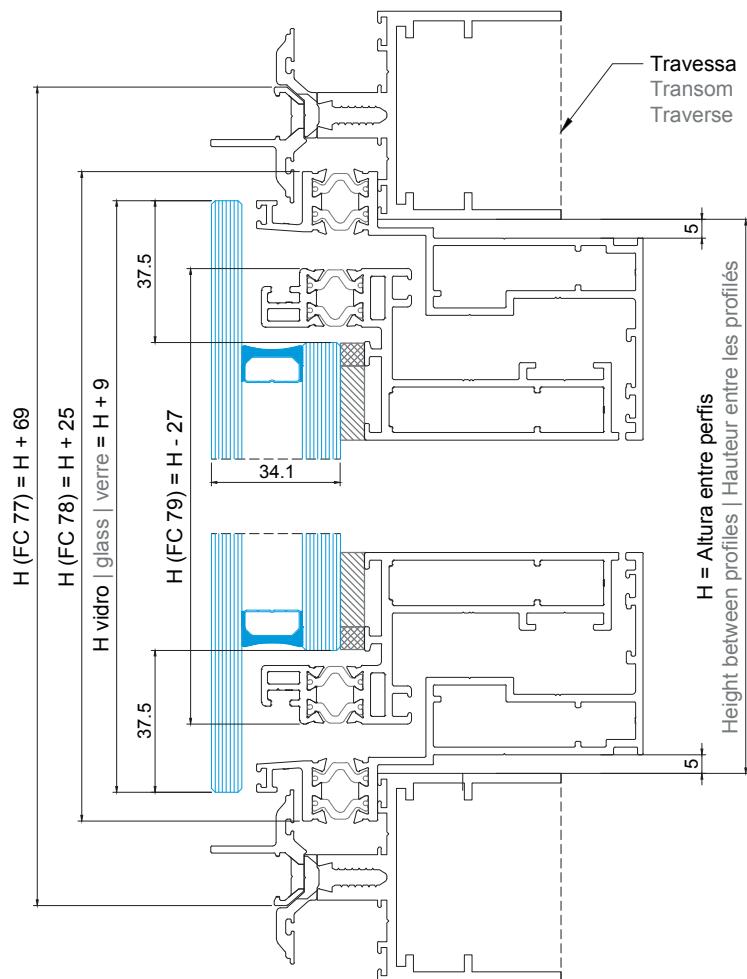
2) TIPOLOGIA DE VIDRO - VÃOS CURVOS CONVEXOS

GLASS TYPOLOGY - CONVEX CURVED SPANS | TYPOLOGIE DU VERRE - TRAVÉES COURBES CONVEXES



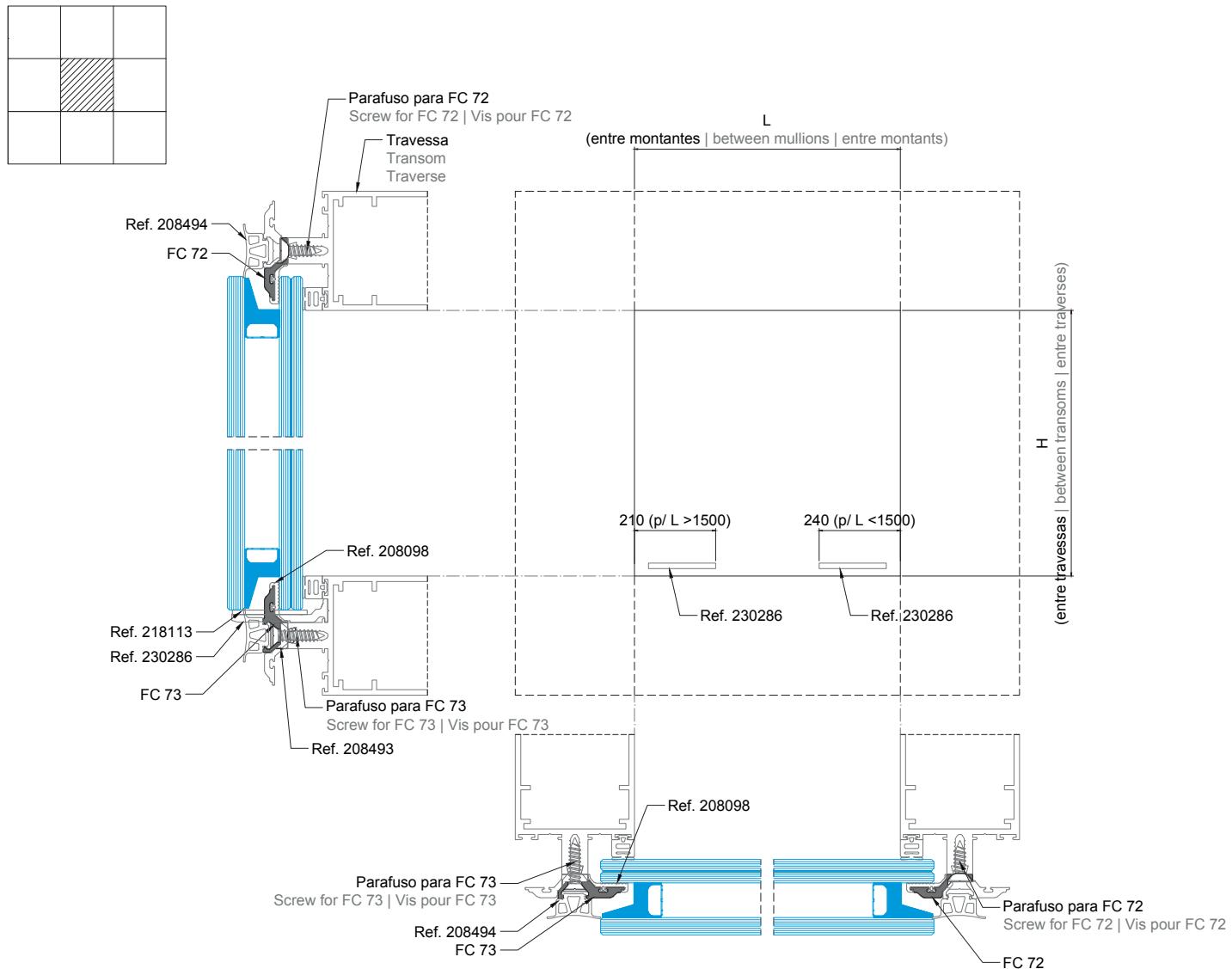
FACHADA FC DEC

CURTAIN WALL STRUCTURAL GLAZING DESIGN
MUR RIDEAU VEC DESIGN



FACHADA FC DEC - QUADRO INTERMÉDIO

CURTAIN WALL STRUCTURAL GLAZING DESIGN - CENTRE FRAME MUR RIDEAU VEC DESIGN - CADRE CENTRAL



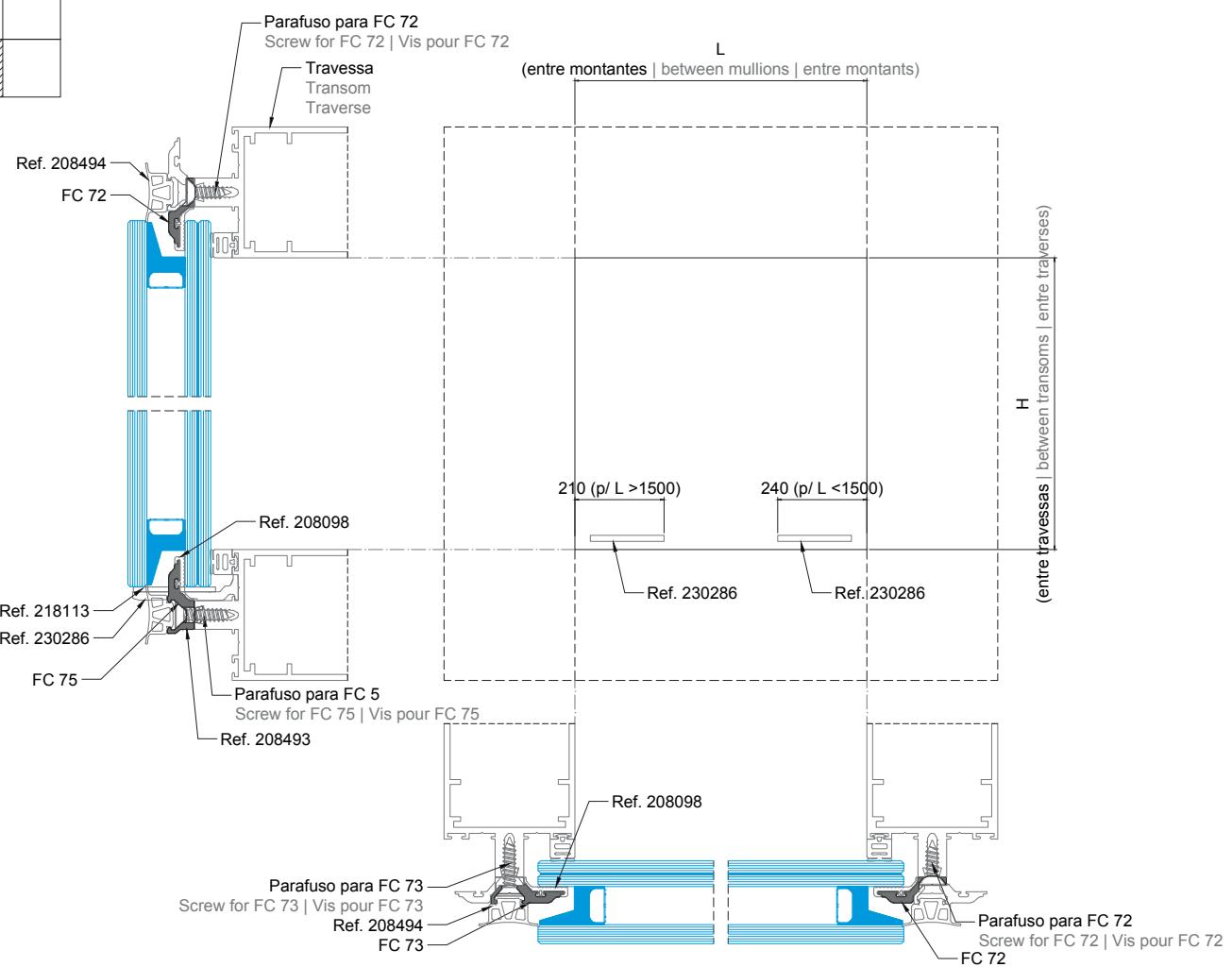
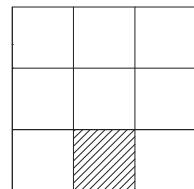
MEDIDAS DE CORTE					
PERFIS / ACESSÓRIOS	QUANT.	CORTE	L>1500mm	L<1500mm	
FC72	1	□□	L - 420 H + 40	L - 480 H + 40	
FC73	1	□□	L - 420 H + 40	L - 480 H + 40	
RT015	1	□□	275	335	
VD2108			igual à quantidade FC72 + FC73		
VD2103			(L + 32) + (H + 55)		
JUNTA DE VIDRO INT			2x L + 2x (H + 21)		
SUPORTE DE VIDRO	2				
CALÇO DE VIDRO	2				
FIXAÇÃO FC72*	4 por metro				
FIXAÇÃO FC73*	4 por metro				
VIDRO	1		L + 32 H + 32		

* NOTA: ver esquema de fixação; a ref. depende dos montantes aplicados.

FACHADA FC DEC - QUADRO INFERIOR

CURTAIN WALL STRUCTURAL GLAZING DESIGN - BOTTOM FRAME

MUR RIDEAU VEC DESIGN - CADRE INFÉRIEUR



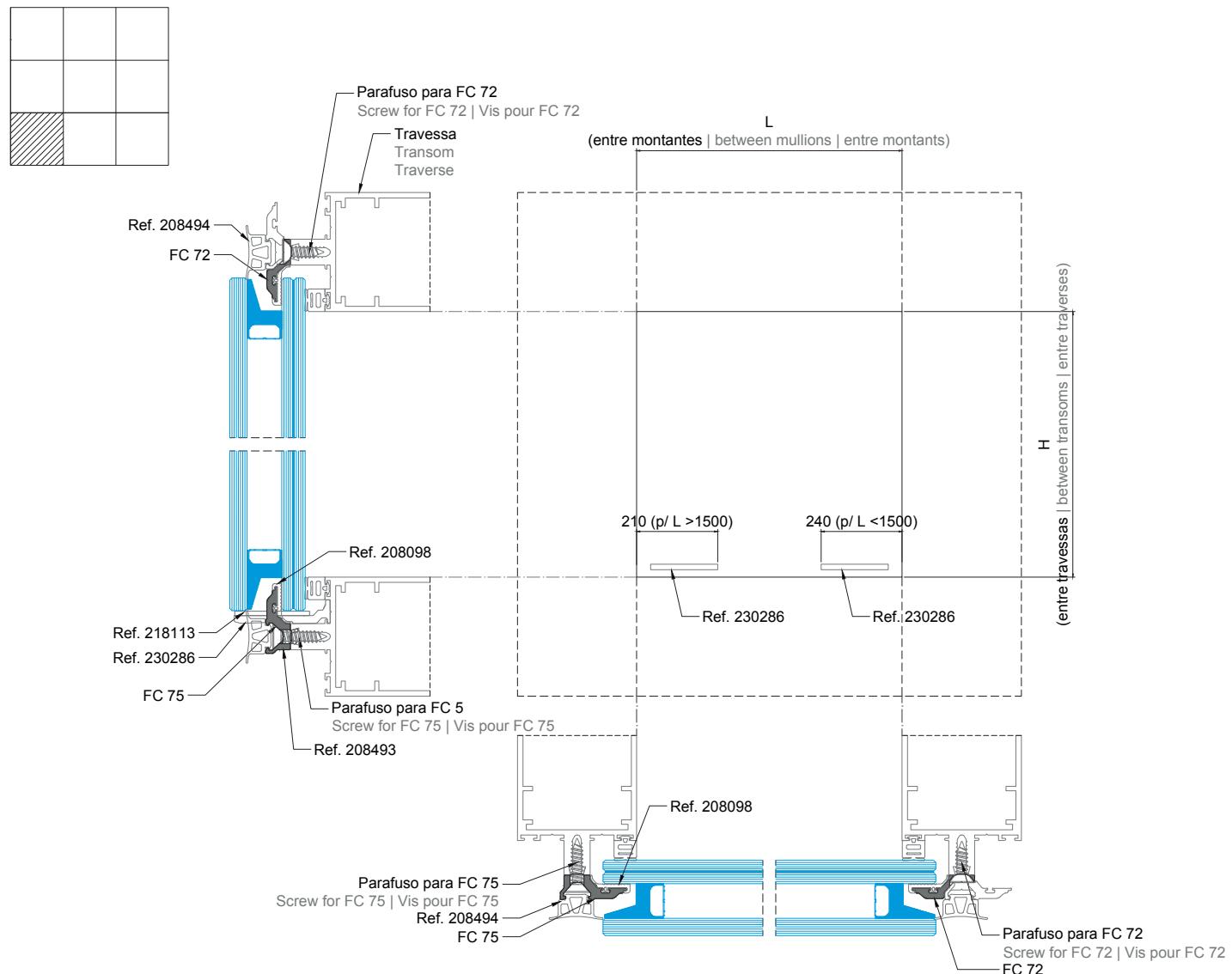
MATERIAL A SOMAR À ESTRUTURA PRINCIPAL DE MONTANTES DE TRAVESSAS	MEDIDAS DE CORTE				
	PERFIS / ACESSÓRIOS	QUANT.	CORTE	L>1500mm	L<1500mm
FC72	1			L - 420 H + 40	L - 480 H + 40
FC73	1			H + 40	H + 40
FC75	1			L - 420	L - 480
RT015	1			275	335
VD2108				igual à quantidade FC72 + FC73 + FC75	
VD2103				(L + 32) + (H + 55)	
JUNTA DE VIDRO INT				2x L + 2x (H + 21)	
SUPORTE DE VIDRO	2				
CALÇO DE VIDRO	2				
FIXAÇÃO FC72*	4 por metro				
FIXAÇÃO FC73*	4 por metro				
FIXAÇÃO FC75*	4 por metro				
VIDRO	1			L + 32 H + 32	

* NOTA: ver esquema de fixação; a ref. depende dos montantes aplicados.

FACHADA FC DEC - QUADRO INFERIOR LATERAL

CURTAIN WALL STRUCTURAL GLAZING DESIGN - LATERAL BOTTOM FRAME

MUR RIDEAU VEC DESIGN - CADRE INFÉRIEUR LATÉRAL



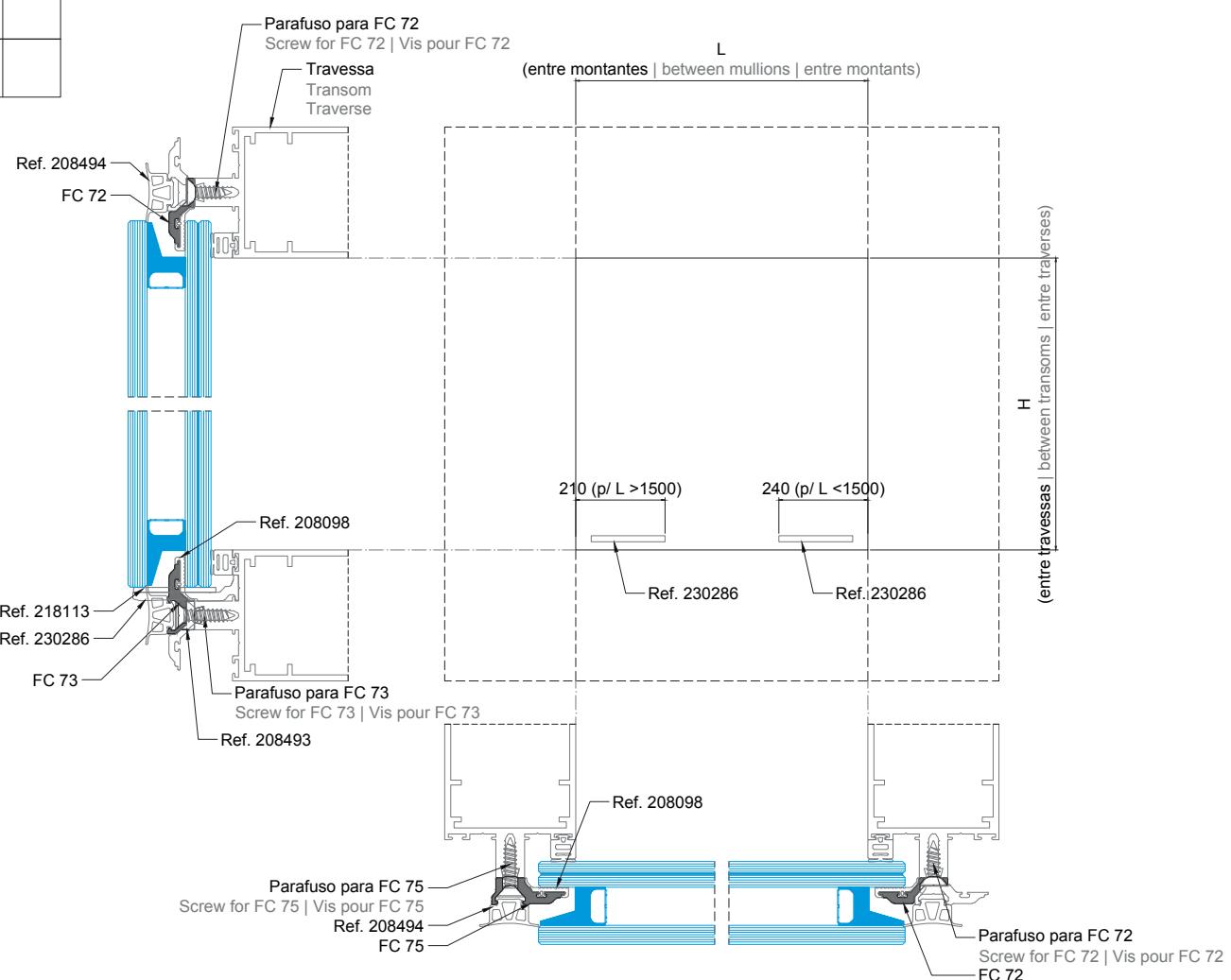
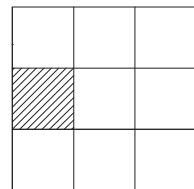
MATERIAL A SOMAR À ESTRUTURA PRINCIPAL DE MONTANTES			MEDIDAS DE CORTE				
			PERFIS / ACESSÓRIOS	QUANT.	CORTE	L>1500mm	L<1500mm
FC72	1					L - 420	L - 480
FC72	1					H + 40	H + 40
FC75	1					L - 420	L - 480
FC75	1					H + 40	H + 40
RT015	2					275 + 131	335 + 161
VD2108						igual à quantidade FC72 + FC75	
VD2103						(L + 32) + (H + 55)	
JUNTA DE VIDRO INT						2x L + 2x (H + 21)	
SUPORTE DE VIDRO	2						
CALÇO DE VIDRO	2						
FIXAÇÃO FC72*	4 por metro						
FIXAÇÃO FC75*	4 por metro						
VIDRO	1					L + 32	H + 32

* NOTA: ver esquema de fixação; a ref. depende dos montantes aplicados.

FACHADA FC DEC - QUADRO INTERMÉDIO LATERAL

CURTAIN WALL STRUCTURAL GLAZING DESIGN - LATERAL CENTRE FRAME

MUR RIDEAU VEC DESIGN - CADRE CENTRAL LATÉRAL

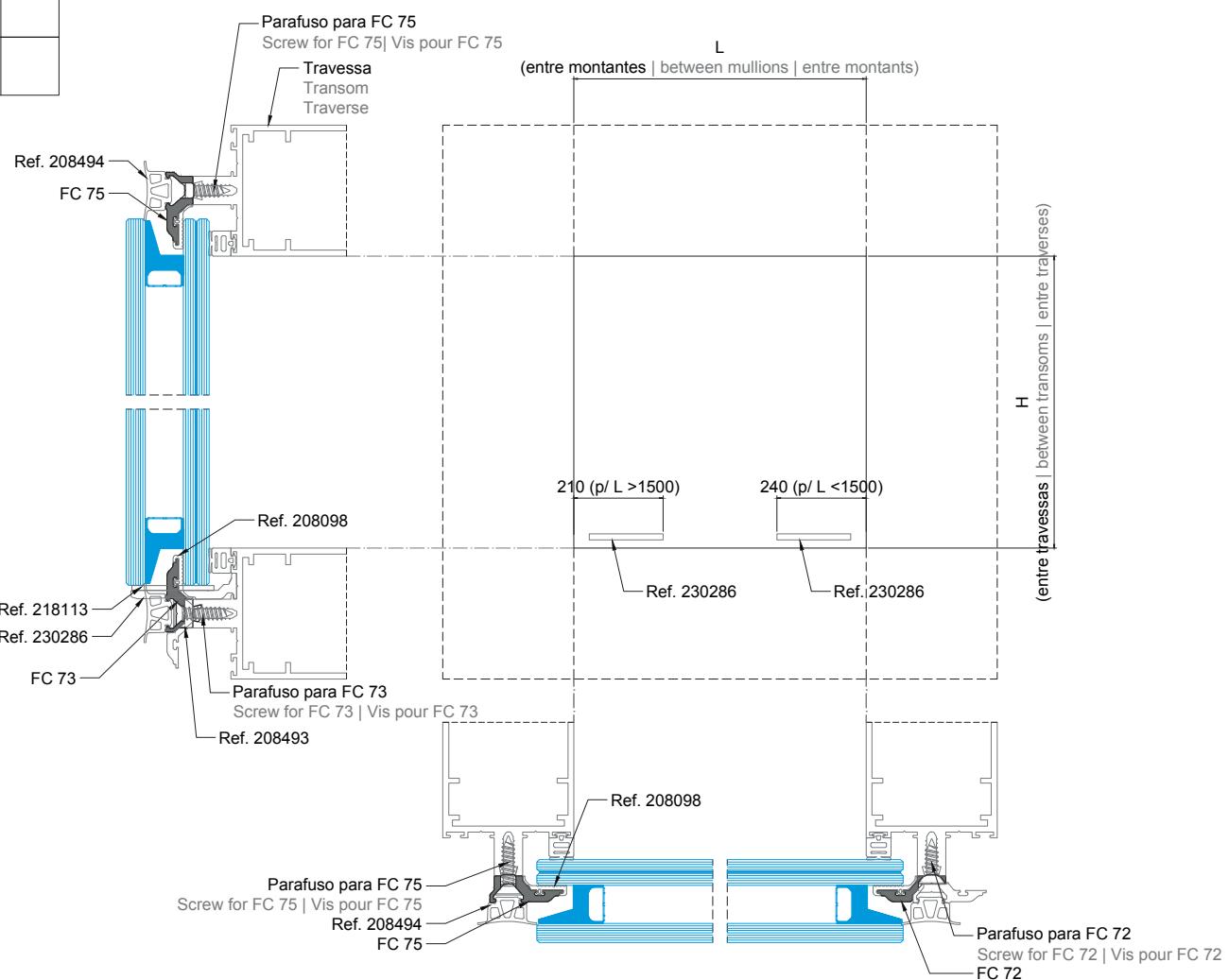
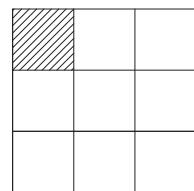


MATERIAL A SOMAR À ESTRUTURA PRINCIPAL DE MONTANTES DE TRAVESSAS	MEDIDAS DE CORTE				
	PERFIS / ACESSÓRIOS	QUANT.	CORTE	L>1500mm	L<1500mm
FC72	1			L - 420 H + 40	L - 480 H + 40
FC73	1			L - 420	L - 480
FC75	1			H + 40	H + 40
RT015	2			275 + 131	335 + 161
VD2108				igual à quantidade FC72 + FC73 + FC75	
VD2103				(L + 32) + (H + 55)	
JUNTA DE VIDRO INT				2x L + 2x (H + 21)	
SUPORTE DE VIDRO	2				
CALÇO DE VIDRO	2				
FIXAÇÃO FC72*	4 por metro				
FIXAÇÃO FC73*	4 por metro				
FIXAÇÃO FC75*	4 por metro				
VIDRO	1			L + 32 H + 32	

FACHADA FC DEC - QUADRO SUPERIOR LATERAL

CURTAIN WALL STRUCTURAL GLAZING DESIGN - LATERAL TOP FRAME

MUR RIDEAU VEC DESIGN - CADRE SUPÉRIEUR LATÉRAL



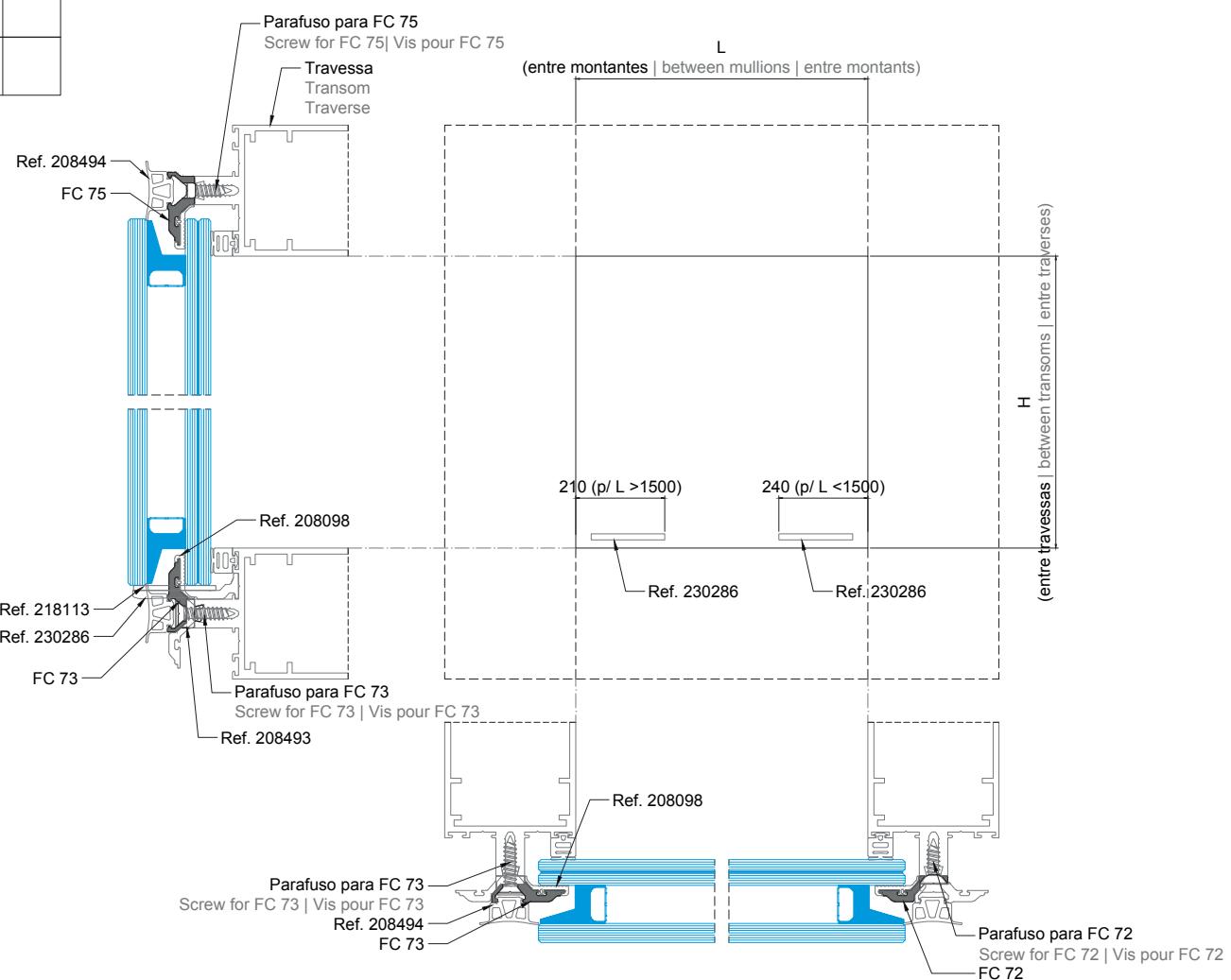
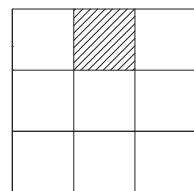
MATERIAL A SOMAR À ESTRUTURA PRINCIPAL DE MONTANTES DE TRAVESSAS

MEDIDAS DE CORTE				
PERFIS / ACESSÓRIOS	QUANT.	CORTE	L>1500mm	L<1500mm
FC72	1	—	H + 40	H + 40
FC73	1	—	L - 420	L - 480
FC75	1	—	L + 6	L + 6
	1	—	H + 40	H + 40
RT015	2	—	275 + 131	335 + 161
VD2108			igual à quantidade FC72 + FC73 + FC75	
VD2103			(L + 32) + (H + 55)	
JUNTA DE VIDRO INT			2x L + 2x (H + 21)	
SUPORTE DE VIDRO	2			
CALÇO DE VIDRO	2			
FIXAÇÃO FC72*	4 por metro			
FIXAÇÃO FC73*	4 por metro			
FIXAÇÃO FC75*	4 por metro			
VIDRO	1		L + 32	H + 32

FACHADA FC DEC - QUADRO SUPERIOR

CURTAIN WALL STRUCTURAL GLAZING DESIGN - TOP FRAME

MUR RIDEAU VEC DESIGN - CADRE SUPÉRIEUR

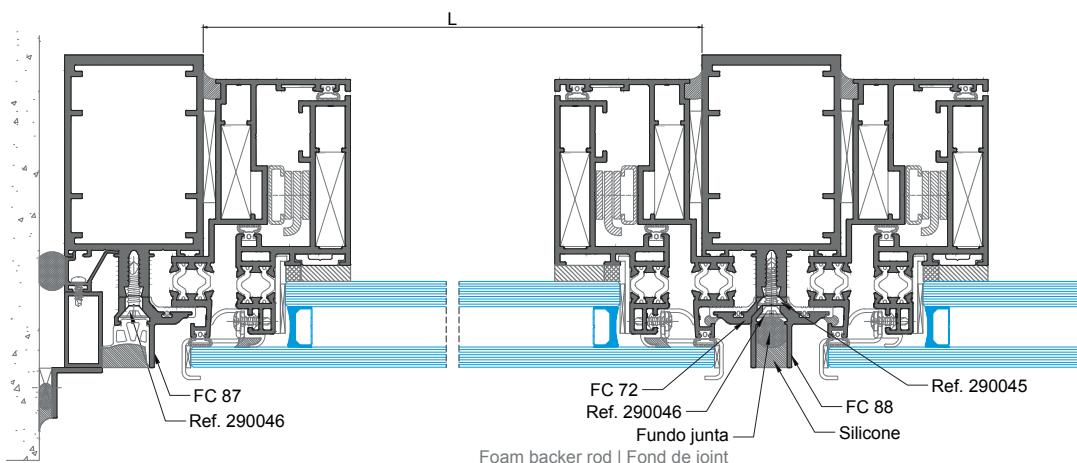
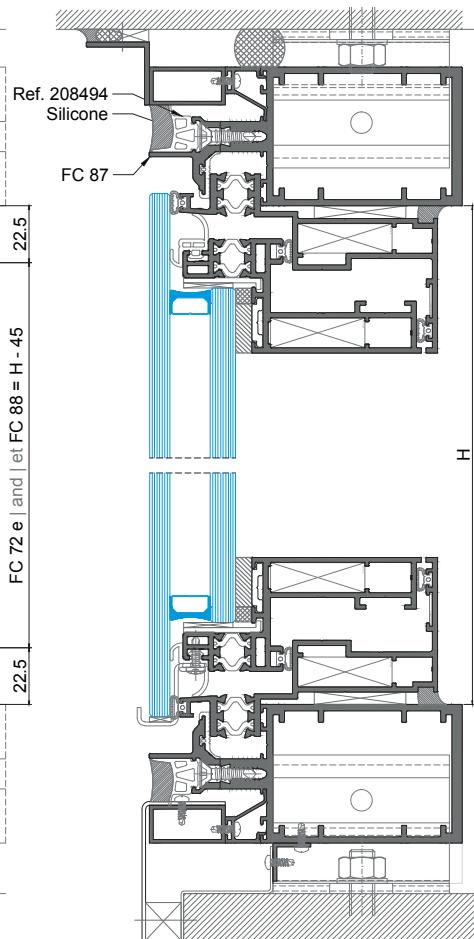
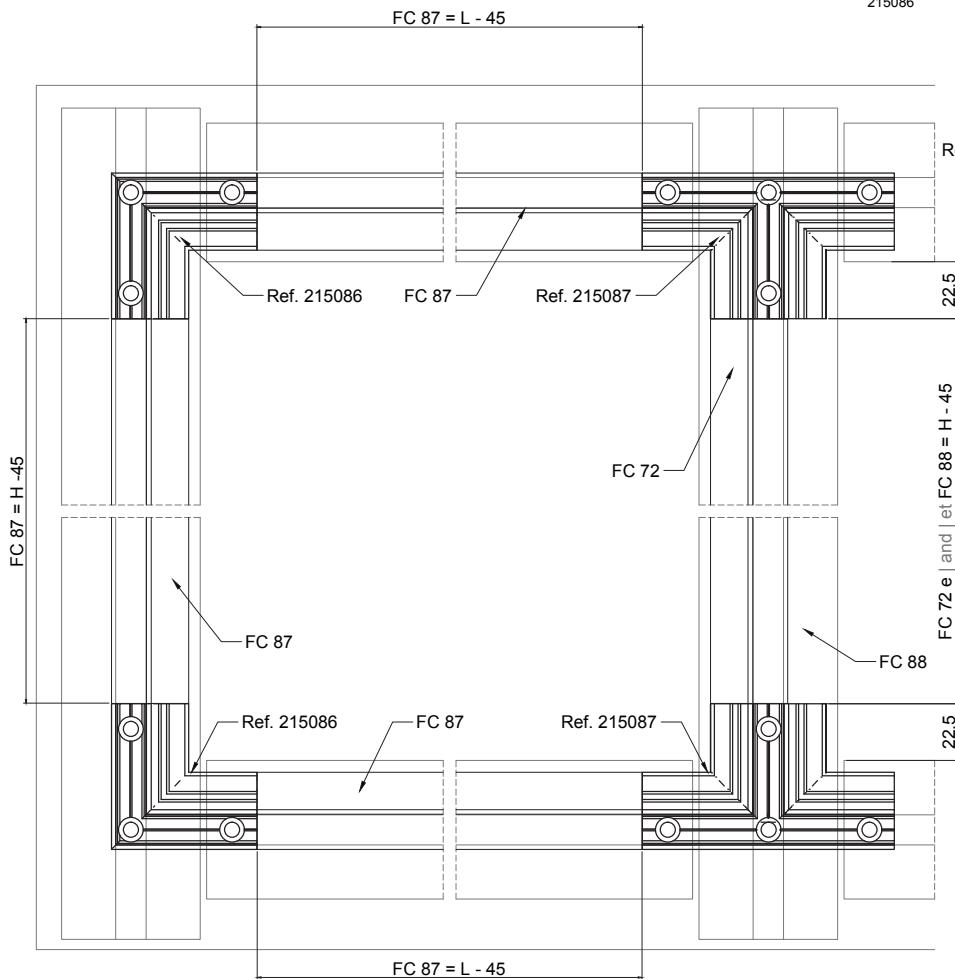
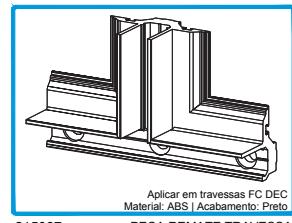
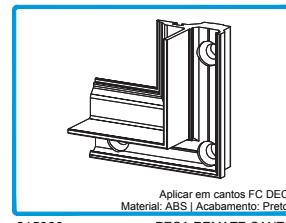
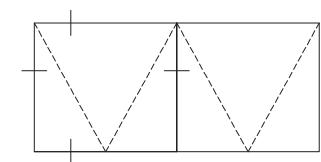


MATERIAL A SOMAR À ESTRUTURA PRINCIPAL DE MONTANTES E TRAVESSAS	MEDIDAS DE CORTE				
	PERFIS / ACESSÓRIOS	QUANT.	CORTE	L>1500mm	L<1500mm
FC72	1		H + 40	H + 40	
FC73	1		L - 420 H + 40	L - 480 H + 40	
FC75	1		L + 6	L + 6	
RT015	1		275	335	
VD2108			igual à quantidade FC72 + FC73 + FC75		
VD2103			(L + 32) + (H + 55)		
JUNTA DE VIDRO INT			2xL + 2x(H + 21)		
SUPORTE DE VIDRO	2				
CALÇO DE VIDRO	2				
FIXAÇÃO FC72*	4 por metro				
FIXAÇÃO FC73*	4 por metro				
FIXAÇÃO FC75*	4 por metro				
VIDRO	1		L + 32 H + 32		

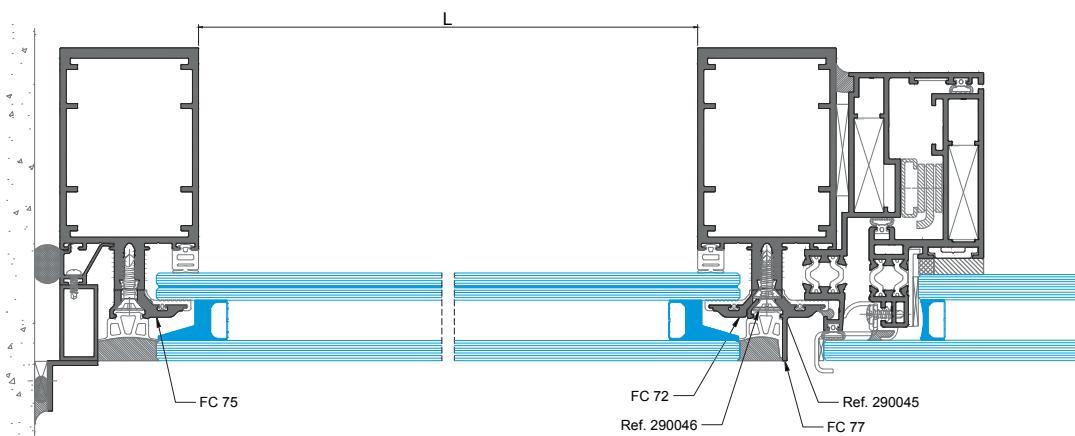
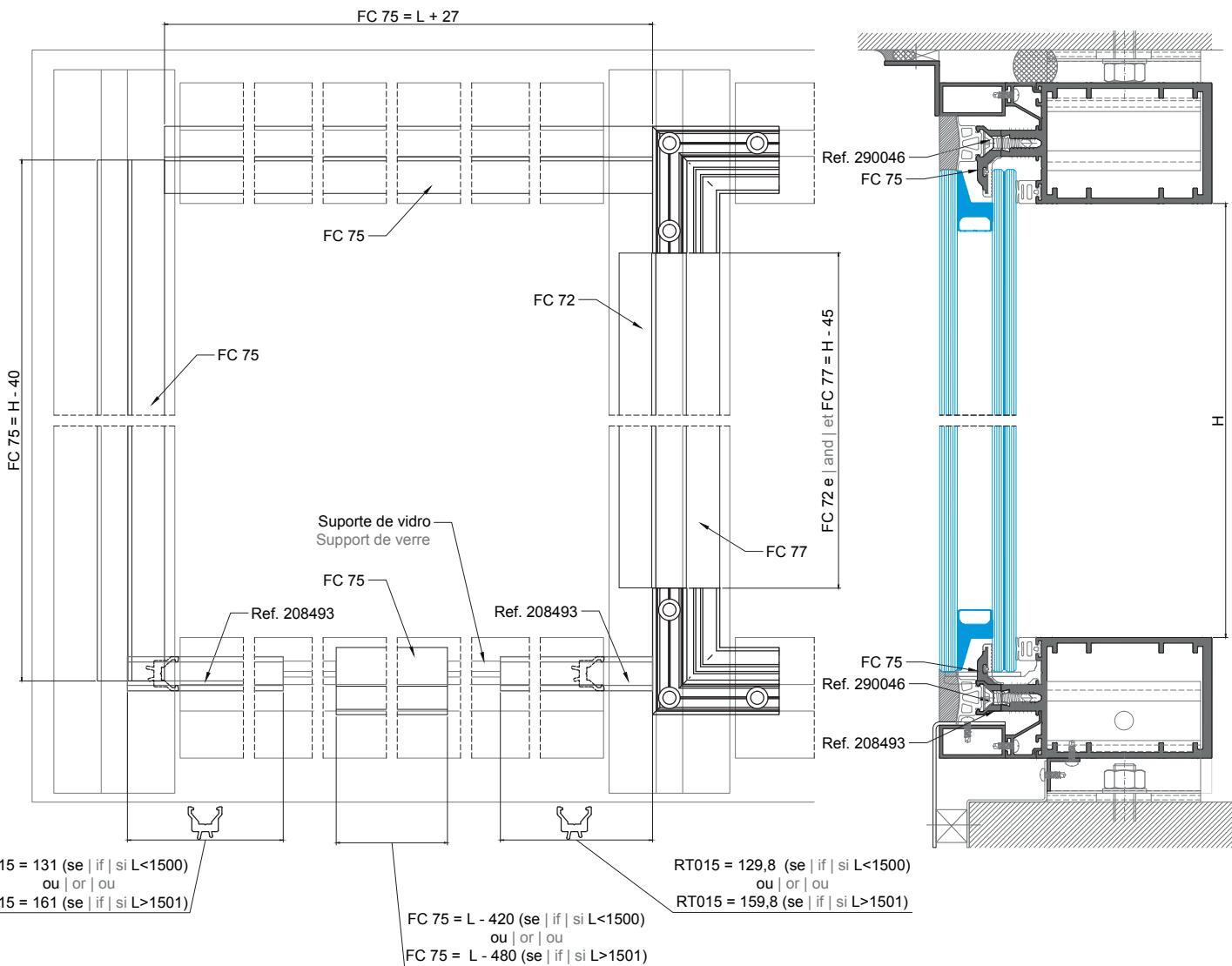
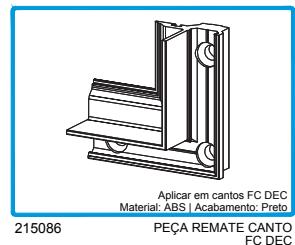
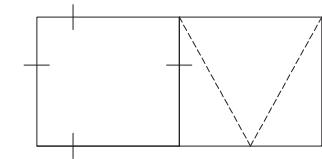
FACHADA FC DEC - JANELA PROJECTANTE - REMATE À PAREDE E JANELAS CONSECUTIVAS

CURTAIN WALL STRUCTURAL GLAZING DESIGN - AWNING WINDOW - WALL-FINISHING AND CONSECUTIVE WINDOWS

MUR RIDEAU VEC DESIGN - FENÊTRE À L'ITALIENNE - FINITION SUR LE MUR ET FENÈTRES SUIVANTES



FACHADA FC DEC - JANELA PROJECTANTE - REMATE À PAREDE FIXO E JANELAS PROJETANTE
CURTAIN WALL STRUCTURAL GLAZING DESIGN - AWNING WINDOW - FIXE WALL-FINISHING AND AWNING WINDOW
MUR RIDEAU VEC DESIGN - FENÊTRE À L'ITALIENNE - FINITION DE FIXE SUR LE MUR ET FENÊTRE À L'ITALIENNE



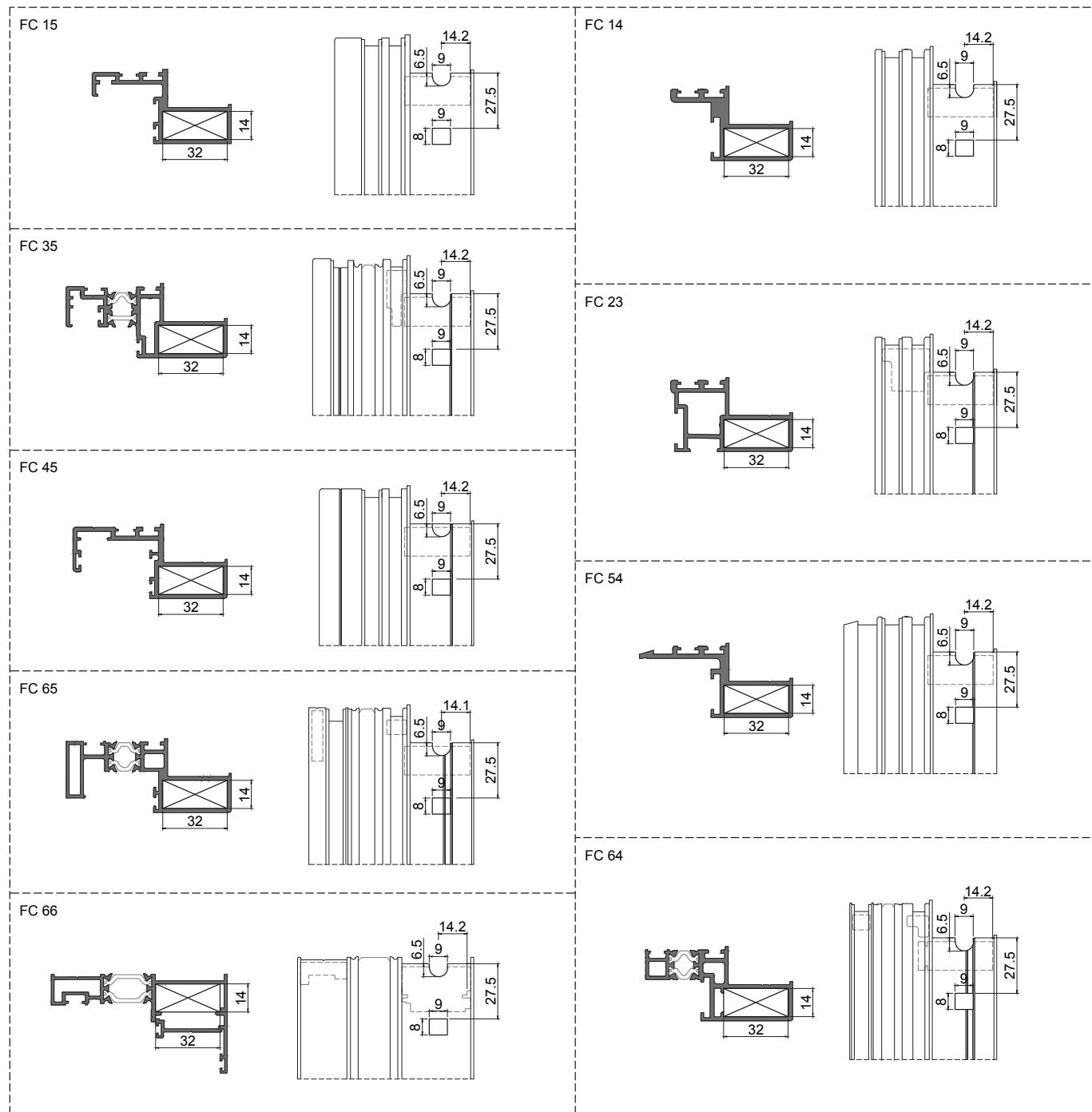
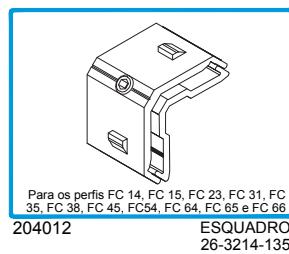
IX . 3

Maquinações e Fresagens de Quadros
Fixed Frames Machinings and Millings
Usinages et Fraisages des Cadres

FURAÇÃO DOS PERFIS QUADROS VEC E VEB PARA APLICAÇÃO DO ESQUADRO

VEC AND VAB FRAME PROFILES DRILLING FOR THE CORNER CLEATS APPLICATION

PERÇAGE DES PROFILÉS CADRES VEC ET VEB POUR L'APPLICATION DE L'ÉQUERRES



ASSEMBLAGEM DOS PERFIS QUADROS VEC E VEB PARA APLICAÇÃO DO ESQUADRO

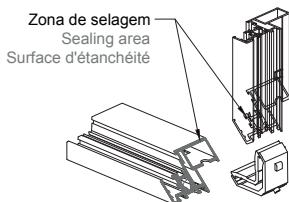
VEC AND VAB FRAME PROFILES ASSEMBLY FOR THE CORNER CLEATS APPLICATION

ASSAMBLAGE DES PROFILÉS CADRES VEC ET VEB POUR L'APPLICATION DE L'ÉQUERRES



SELAR AS MEIAS ESQUADRIAS COM COLA E VEDA SEAL THE MITER JOINTS WITH SEALANT SCELLER LES CHANFRAINS AVEC MASTIC

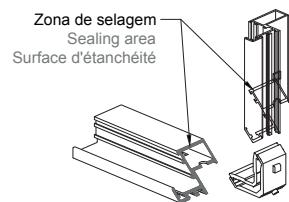
FC 15



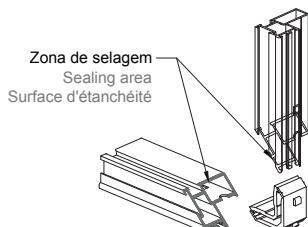
FC 14



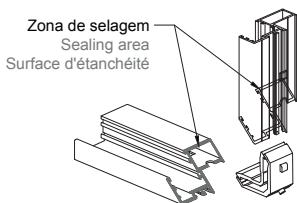
FC 35



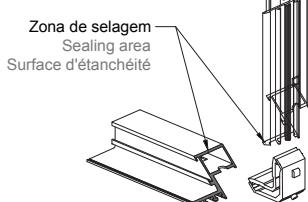
FC 23



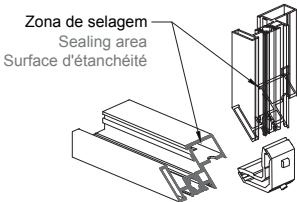
FC 45



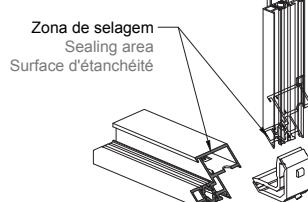
FC 54



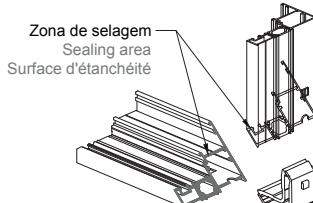
FC 65



FC 64



FC 66



FURAÇÃO DOS PERFIS FC 81, FC 82 E FC 83 PARA APLICAÇÃO DO ESQUADRO

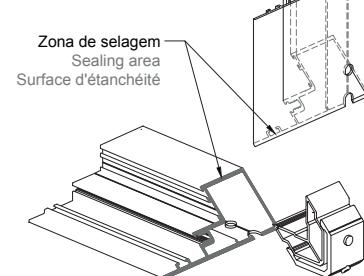
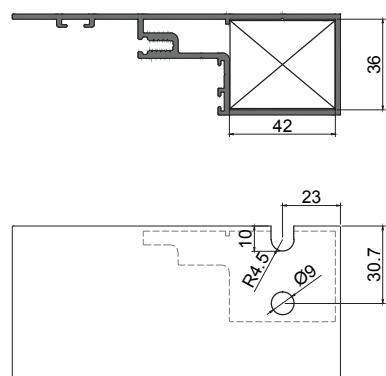
FC 81, FC 82 AND FC 83 PROFILES DRILLING FOR THE CORNER CLEATS APPLICATION

PERÇAGE DES PROFILÉS FC 81, FC 82 ET FC 83 POUR L'APPLICATION DE L'ÉQUERRES

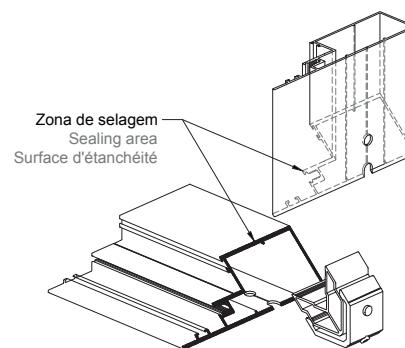
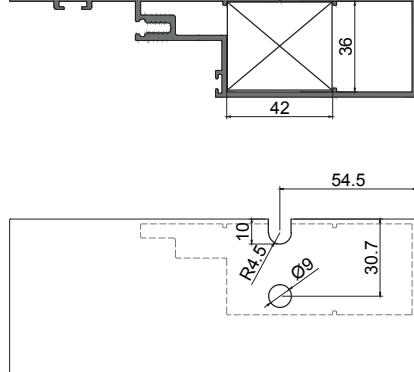


SEALAR AS MEIAS ESQUADRIAS COM COLA E VEDA
SEAL THE MITER JOINTS WITH SEALANT
SCELLER LES CHANFRAINS AVEC MASTIC

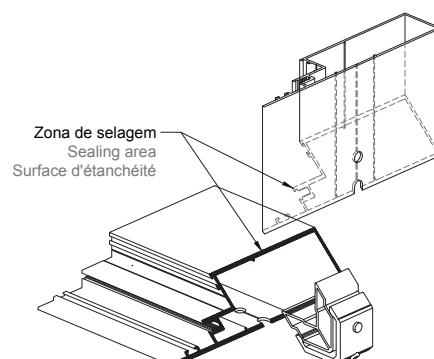
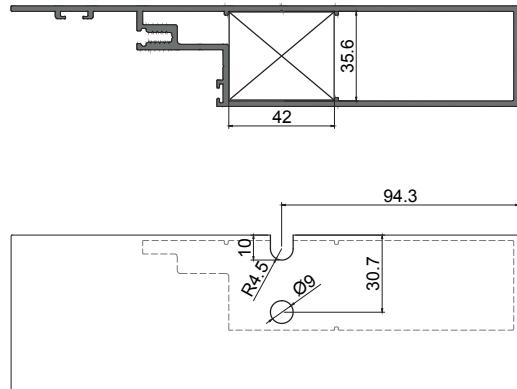
FC 81



FC 82



FC 83



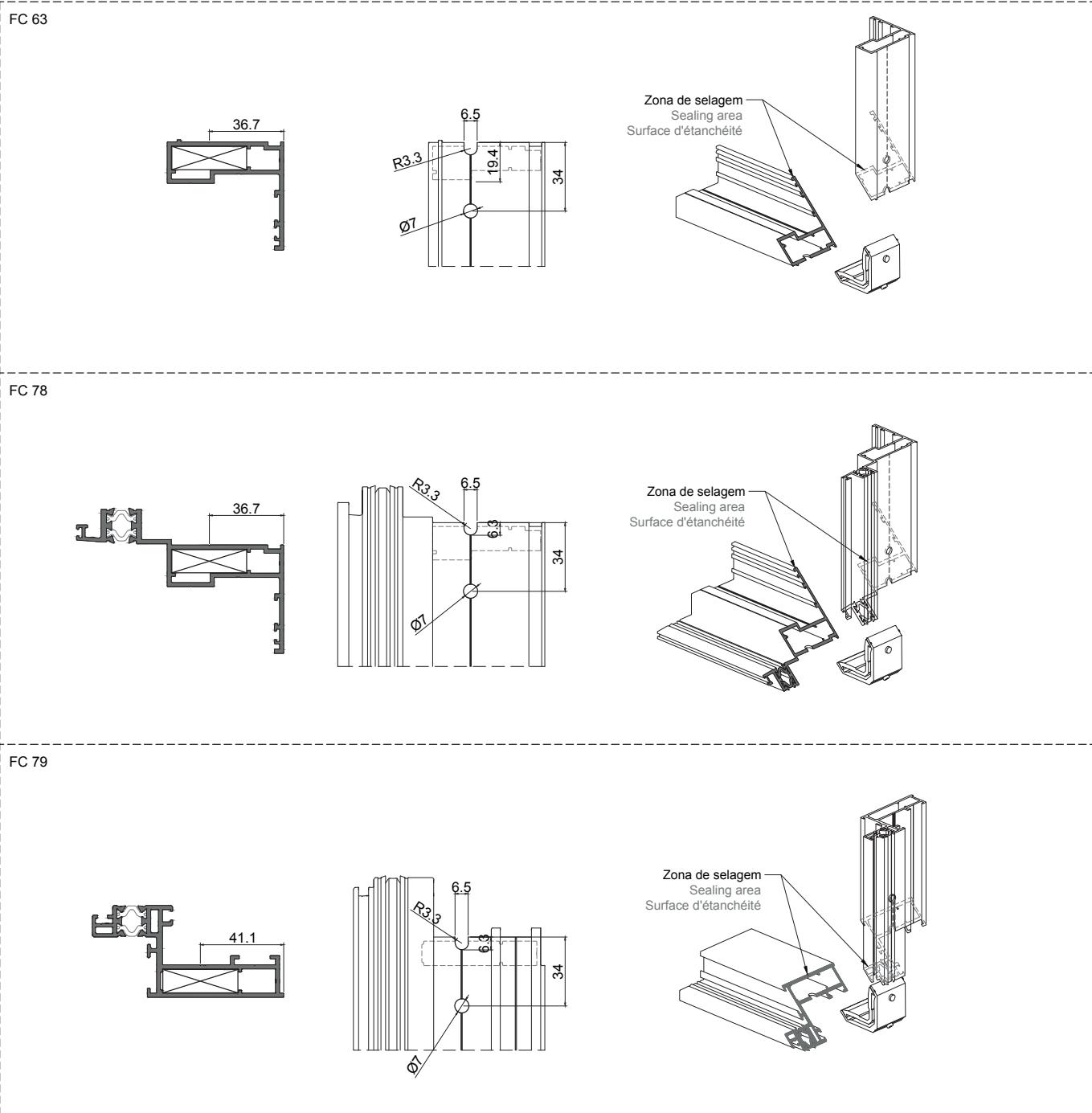
FURAÇÃO DOS PERFIS FC 63, FC 78 E FC 79 PARA APLICAÇÃO DO ESQUADRO

FC 63, FC 78 AND FC 79 PROFILES DRILLING FOR THE CORNER CLEATS APPLICATION

PERÇAGE DES PROFILÉS FC 63, FC 78 ET FC 79 POUR L'APPLICATION DE L'ÉQUERRES



SEALAR AS MEIAS ESQUADRIAS COM COLA E VEDA SEAL THE MITER JOINTS WITH SEALANT SCELLER LES CHANFRAINS AVEC MASTIC



RASGOS PARA DRENAGEM - FC ESTRUTURAL - TRADICIONAL COM TAMPAS

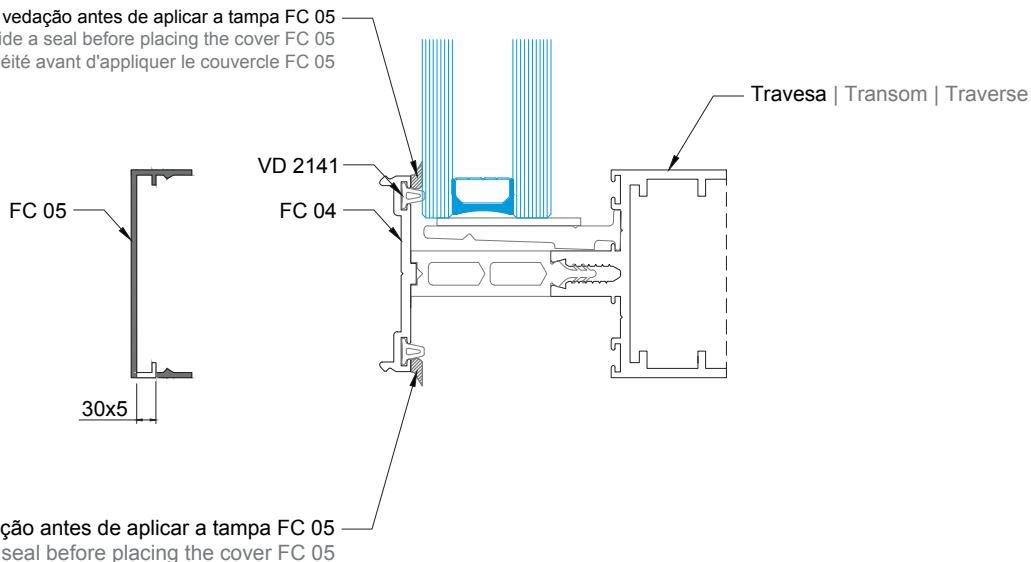
SLOT DRAIN WATER - FC CURTAIN WALL - WITH COVER CAPS - CUTTING MEASURES

FENTES POUR DRAINAGE - FC-MUR RIDEAU - AVEC CAPOT

Prever uma vedação antes de aplicar a tampa FC 05

Provide a seal before placing the cover FC 05

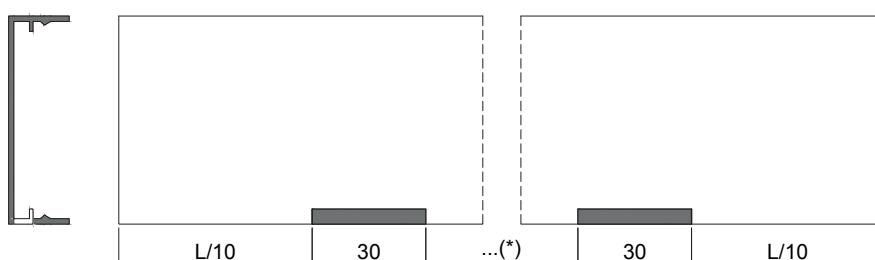
Assurez l'étanchéité avant d'appliquer le couvercle FC 05



RASGOS PARA DRENAGEM - FC 05

SLOT DRAIN WATER - FC 05

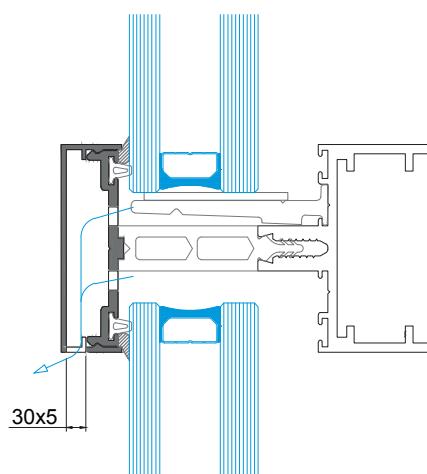
FENTES POUR DRAINAGE - FC 05



NOTA: Até 1,00m de largura, mínimo de 2 rasgos por cada largura. A partir de 1,00m, realizar mais um rasgo com as mesmas dimensões por cada 0,50m a mais.

NOTE: Up to 1.00m wide, a minimum of 2 tears for each width. From 1,00m onwards, make one more slot with the same dimensions for each 0,50m extra.

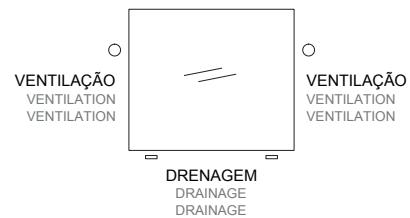
REMARQUE: Jusqu'à 1,00 m de large, un minimum de 2 déchirures pour chaque largeur. A partir de 1,00m, faites une autre fente avec les mêmes dimensions pour chaque 0,50m de plus.



RASGOS PARA DRENAGEM / VENTILAÇÃO DOS QUADROS - FC SEMI-OCULTA

FRAMES SLOT DRAIN WATER / VENT - FC-CURTAIN WALL VEB

FENTES POUR DRAINAGE / VENTILATION DES CADRES - FC-MUR RIDEAU VEP

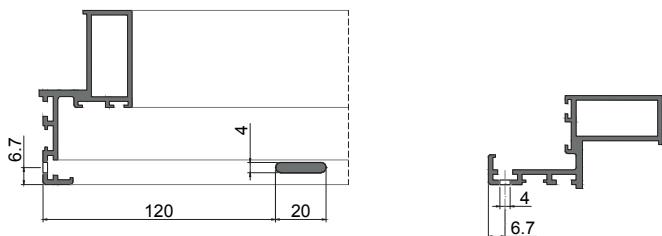


FURAÇÃO HORIZONTAL INFERIOR PARA DRENAGEM

BOTTOM HORIZONTAL DRILLING FOR DRAINAGE

FORAGE HORIZONTAL INFÉRIEUR POUR LE DRAINAGE

FC 15



A partir de 1000mm entre furos, +1 furo/metro

From 1000mm between holes, +1 hole/meter

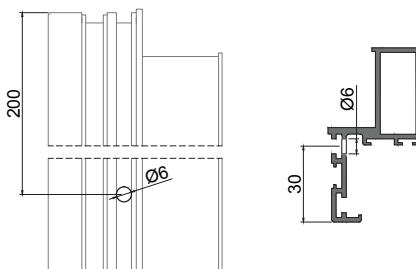
À partir de 1000mm entre les trous, +1 trou/mètre

FURAÇÃO VERTICAL PARA VENTILAÇÃO

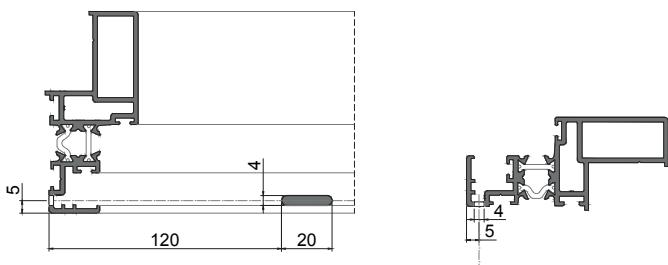
VERTICAL DRILLING FOR VENTILATION

PERÇAGE VERTICAL POUR LA VENTILATION

FC 15



FC 35



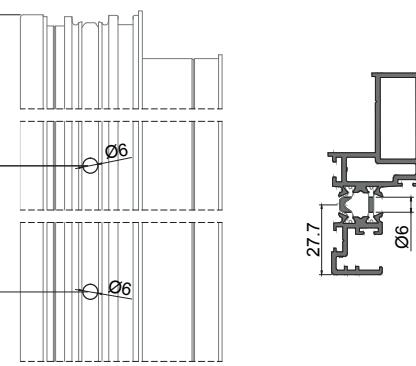
A partir de 1000mm entre furos, +1 furo/metro

From 1000mm between holes, +1 hole/meter

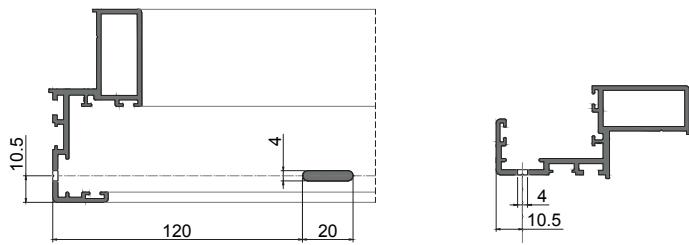
À partir de 1000mm entre les trous, +1 trou/mètre

FC 35

Segundo furo desfazado a 100mm
Second hole displaced by 100mm
Deuxième trou décalé à 100mm



FC 45

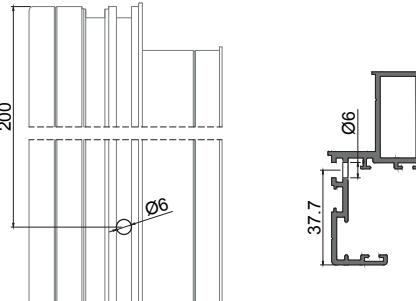


A partir de 1000mm entre furos, +1 furo/metro

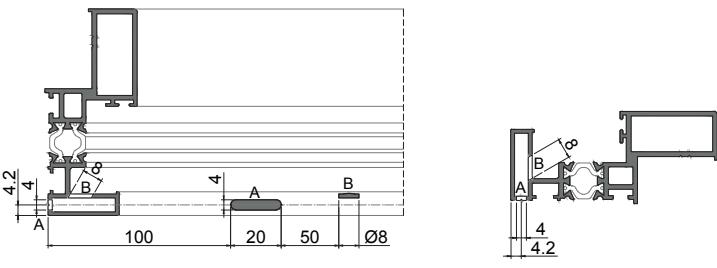
From 1000mm between holes, +1 hole/meter

À partir de 1000mm entre les trous, +1 trou/mètre

FC 45



FC 65



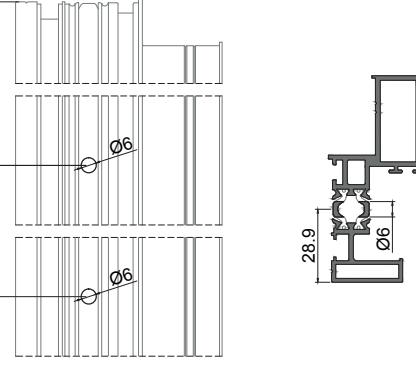
A partir de 1000mm entre furos, +1 furo/metro

From 1000mm between holes, +1 hole/meter

À partir de 1000mm entre les trous, +1 trou/mètre

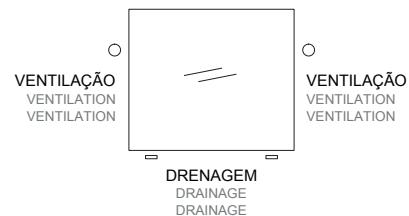
FC 65

Segundo furo desfazado a 100mm
Second hole displaced by 100mm
Deuxième trou décalé à 100mm



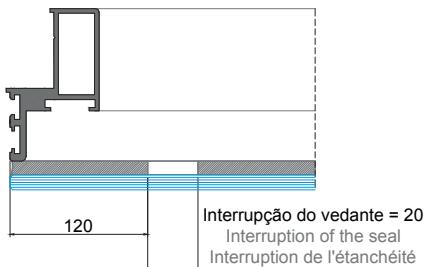
RASGOS PARA DRENAGEM / VENTILAÇÃO DOS QUADROS - FC OCULTA

FRAMES SLOT DRAIN WATER / VENT - FC-STRUCTURAL GLAZING WALL
FENTES POUR DRAINAGE / VENTILATION DES CADRES - FC-MUR RIDEAU VEC

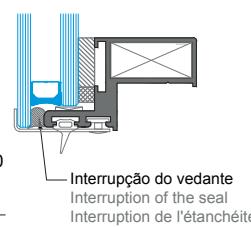


FURAÇÃO HORIZONTAL INFERIOR PARA DRENAGEM BOTTOM HORIZONTAL DRILLING FOR DRAINAGE FORAGE HORIZONTAL INFÉRIEUR POUR LE DRAINAGE

FC 14

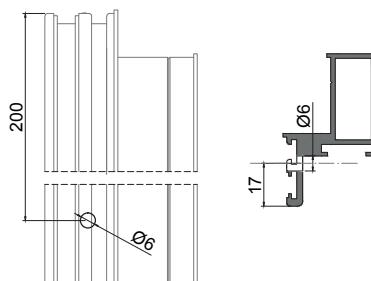


A partir de 1000mm entre furos, +1 furo/metro
From 1000mm between holes, +1 hole/meter
À partir de 1000mm entre les trous, +1 trou/mètre

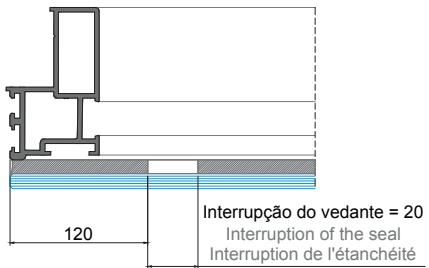


FURAÇÃO VERTICAL PARA VENTILAÇÃO VERTICAL DRILLING FOR VENTILATION PERÇAGE VERTICAL POUR LA VENTILATION

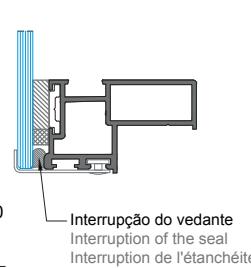
FC 14



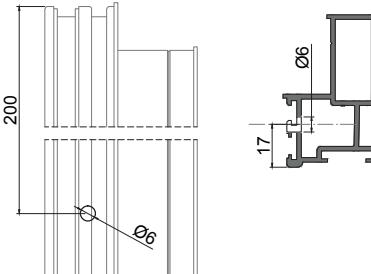
FC 23



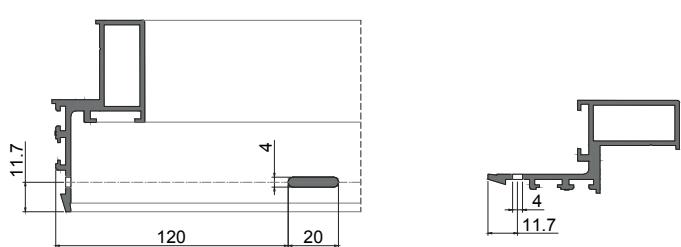
A partir de 1000mm entre furos, +1 furo/metro
From 1000mm between holes, +1 hole/meter
À partir de 1000mm entre les trous, +1 trou/mètre



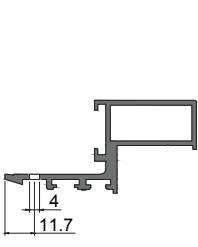
FC 23



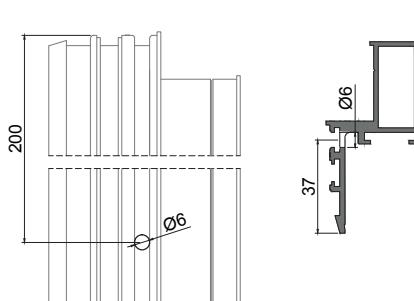
FC 54



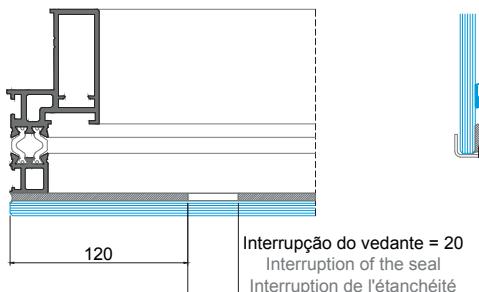
A partir de 1000mm entre furos, +1 furo/metro
From 1000mm between holes, +1 hole/meter
À partir de 1000mm entre les trous, +1 trou/mètre



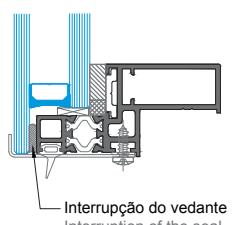
FC 54



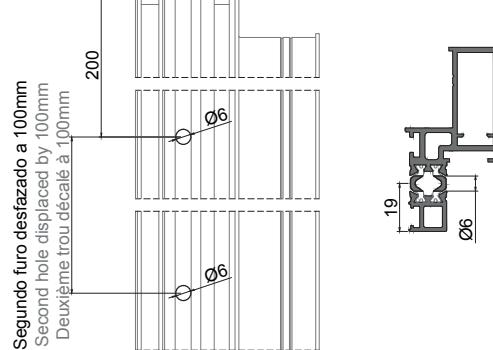
FC 64



A partir de 1000mm entre furos, +1 furo/metro
From 1000mm between holes, +1 hole/meter
À partir de 1000mm entre les trous, +1 trou/mètre



FC 64

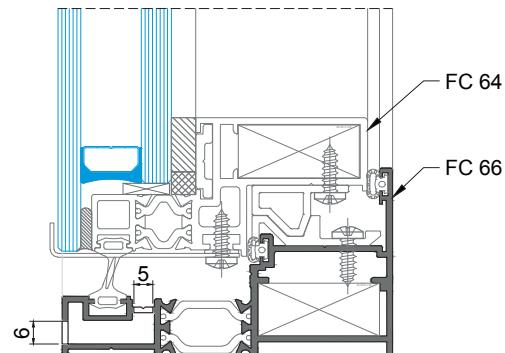
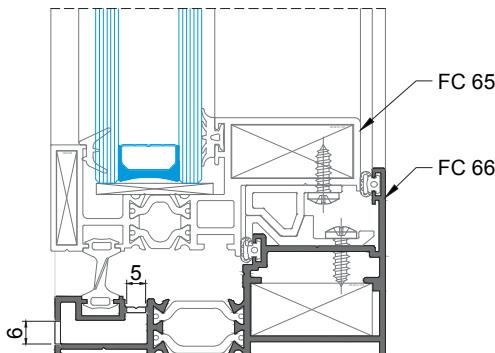


RASGOS PARA DRENAGEM / VENTILAÇÃO - JANELAS PROJETANTES ISOLADAS EM FC-OCULTA E FC-SEMI OCULTA

SLOT DRAIN WATER / VENT - ISOLATED AWNING WINDOWS IN FC-STRUCTURAL GLAZING WALL AND FC-CURTAIN WALL VEB

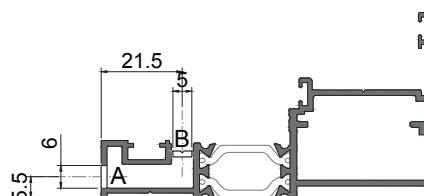
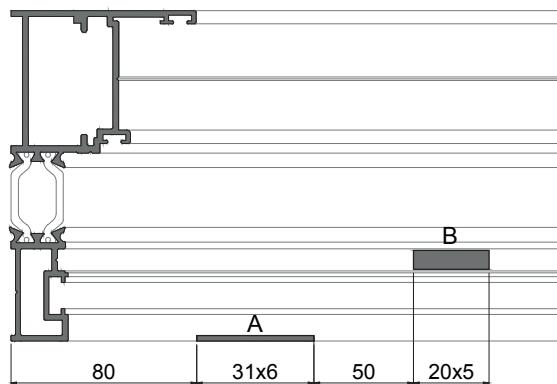
FENTES POUR DRAINAGE / VENTILATION - FENÊTRES À L'ITALIENNE VEC ET VEP

FC 66



FC 66

FURAÇÃO HORIZONTAL INFERIOR PARA DRENAGEM
BOTTOM HORIZONTAL DRILLING FOR DRAINAGE
PERÇAGE HORIZONTAL INFÉRIEUR POUR LE DRAINAGE



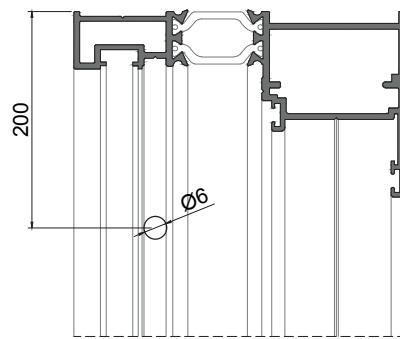
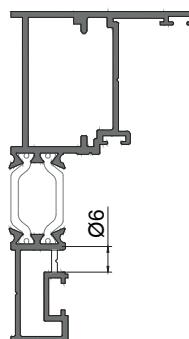
A partir de 1000mm entre furos, +1 furo/metro

From 1000mm between holes, +1 hole/meter

À partir de 1000mm entre les trous, +1 trou/mètre

FC 66

FURAÇÃO VERTICAL PARA VENTILAÇÃO
VERTICAL DRILLING FOR VENTILATION
PERÇAGE VERTICAL POUR LA VENTILATION



RASGOS PARA DRENAGEM / VENTILAÇÃO - FC-OCULTA E FC-SEMI OCULTA COM APLICAÇÃO DO PERFIL FC 38
SLOT DRAIN WATER / VENT -FC-STRUCTURAL GLAZING WALL AND FC-CURTAIN WALL VEB WITH FC 38 PROFILE APPLICATION
FENTES POUR DRAINAGE / VENTILATION - MUR-RIDEU FC-VEC ET FC-VEP AVEC L'APPLICATION DU PROFILÉ FC 38

FC 38

FURAÇÃO HORIZONTAL INFERIOR PARA DRENAGEM

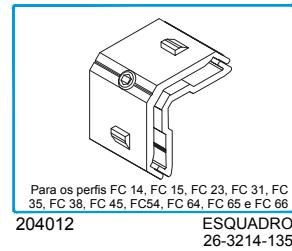
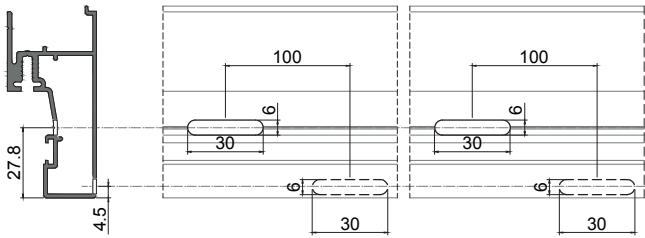
BOTTOM HORIZONTAL DRILLING FOR DRAINAGE

PERÇAGE HORIZONTAL INFÉRIEUR POUR LE DRAINAGE

Considerar as seguintes maquinações nas extremidades das peças horizontais e a cada 1000mm

Consider the following machining operations at the ends of the horizontal parts and every 1000mm

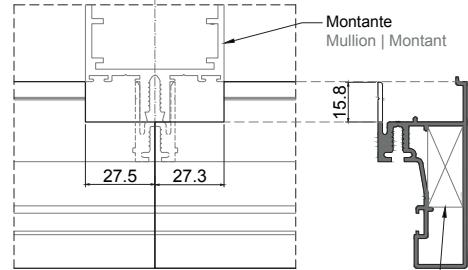
Considérer les opérations d'usinage suivantes aux extrémités des pièces horizontales et chaque 1000mm



Fresagem necessária, no caso, de aplicação do perfil FC 38, de forma contínua

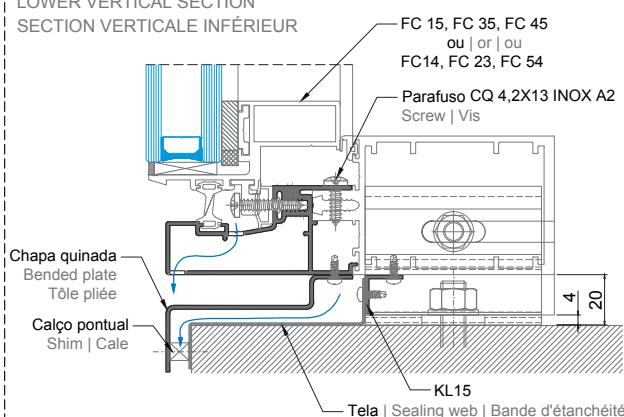
Milling required, in the case of the application of profile FC 38, in a continuous manner

Fraisage nécessaire, dans le cas de l'application du profilé FC 38, de manière continue



Unões a 45°, aplicar o esquadro
26-3213-135
Joints at 45°, apply the corner clae
26-3213-135
Joints à 45°, appliquer l'équerre
26-3213-135

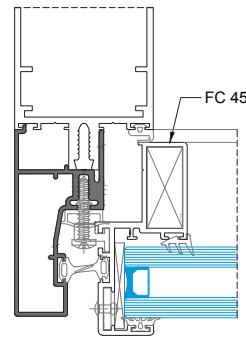
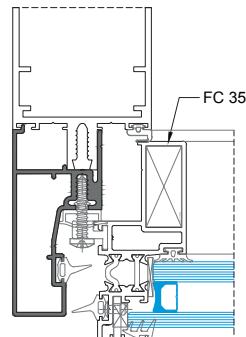
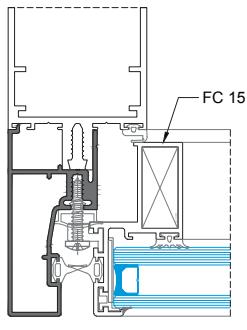
CORTE VERTICAL INFERIOR
LOWER VERTICAL SECTION
SECTION VERTICALE INFÉRIEUR



FC 38 - Aplicado em FC-Semi oculta

Applied in FC-VEB curtain wall

Appliquée dans mur rideu FC-VEP

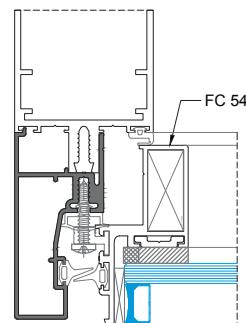
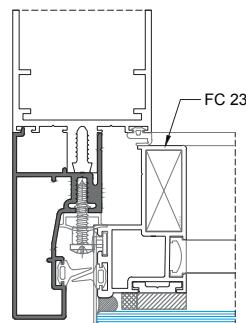
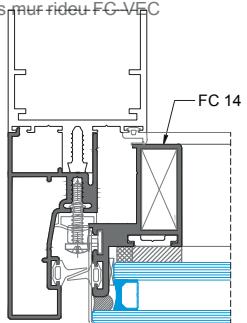


FC 38 - Aplicado em FC-Oculta

Applied in FC-Structural glazing

curtain wall

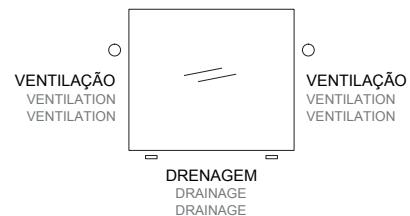
Appliquée dans mur rideu FC-VEC



RASGOS PARA DRENAGEM / VENTILAÇÃO DOS QUADROS - FC DEC

FRAMES SLOT DRAIN WATER / VENT - FC-DEC CURTAIN WALL

FENTES POUR DRAINAGE / VENTILATION DES CADRES - FC-DEC MUR RIDEAU

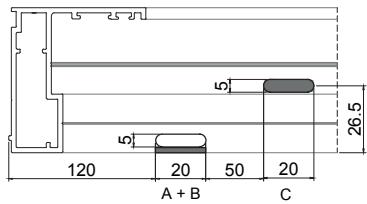


FURAÇÃO HORIZONTAL INFERIOR PARA DRENAGEM

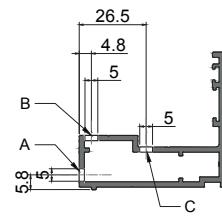
BOTTOM HORIZONTAL DRILLING FOR DRAINAGE

FORAGE HORIZONTAL INFÉRIEUR POUR LE DRAINAGE

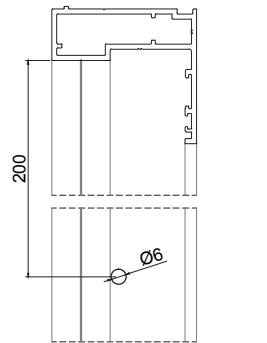
FC 63



A partir de 1000mm entre furos, +1 furo/metro
From 1000mm between holes, +1 hole/meter
À partir de 1000mm entre les trous, +1 trou/mètre



FC 63

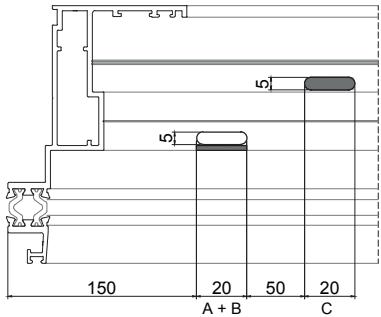


FURAÇÃO VERTICAL PARA VENTILAÇÃO

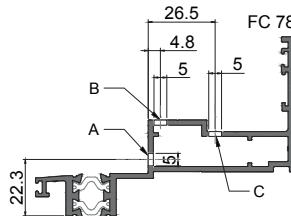
VERTICAL DRILLING FOR VENTILATION

PERÇAGE VERTICAL POUR LA VENTILATION

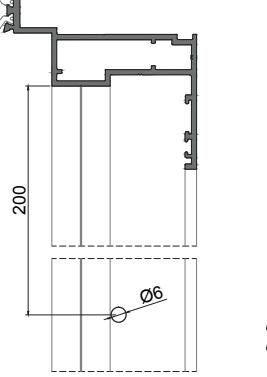
FC 78



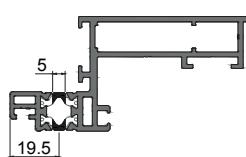
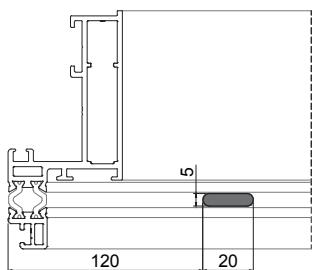
A partir de 1000mm entre furos, +1 furo/metro
From 1000mm between holes, +1 hole/meter
À partir de 1000mm entre les trous, +1 trou/mètre



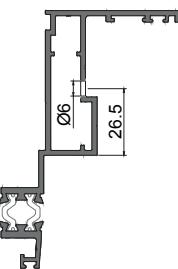
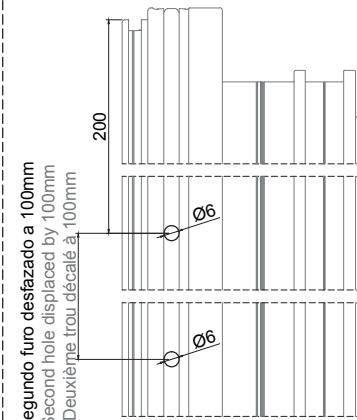
FC 78



FC 79



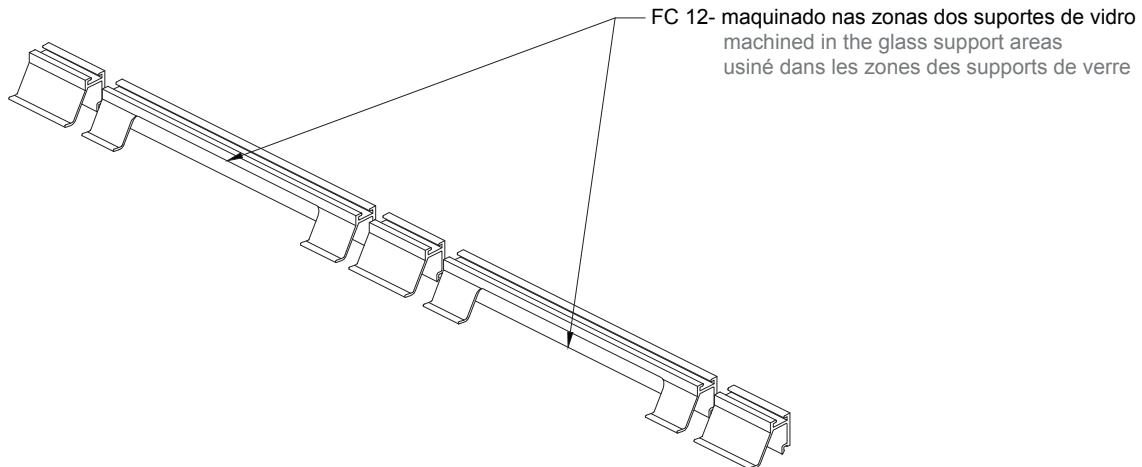
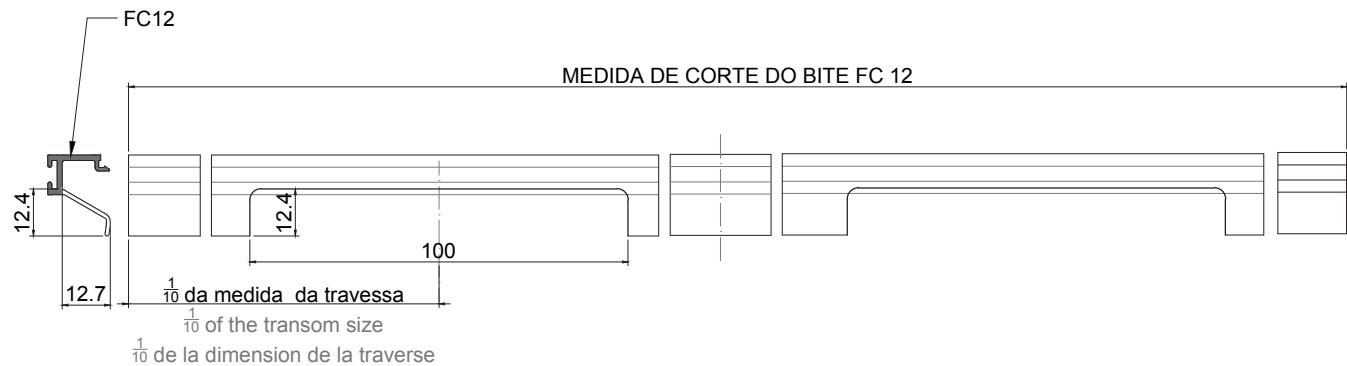
FC 79



MAQUINAÇÃO DO PERFIL FC 12

FC 12 PROFILE MACHINING

USINAGE DU PROFILÉ FC 12



X

MONTAGENS
ASSEMBLIES
ASSAMBLAGES

Montagem de perfis FC FC Profiles assembly Assamblage des profilés FC	X . 1
Montagem de perfis FC-DEC FC-DEC Profiles assembly Assamblage des profilés FC-DEC	X . 2
Montagem de ferragens e acessórios Hardware and accessories assembly Assamblage des serrures et accessoires	X . 3

X . 1

Montagem de perfis FC
FC Profiles assembly
Assamblage des profilés FC

MONTAGEM DOS PERFIS

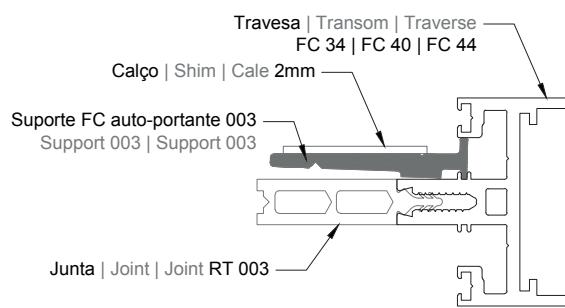
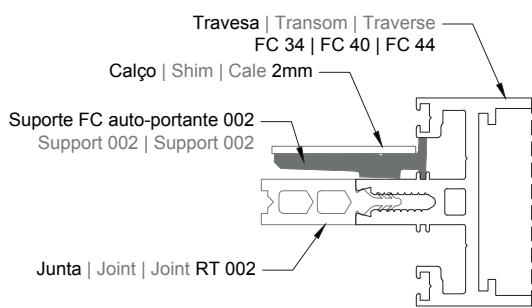
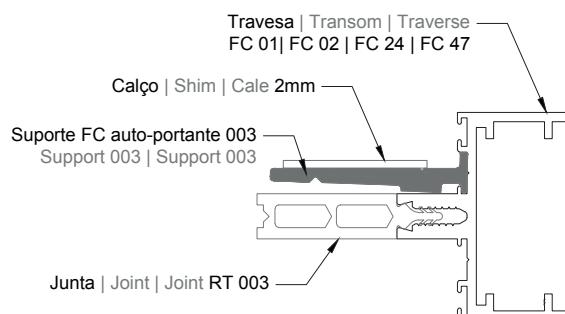
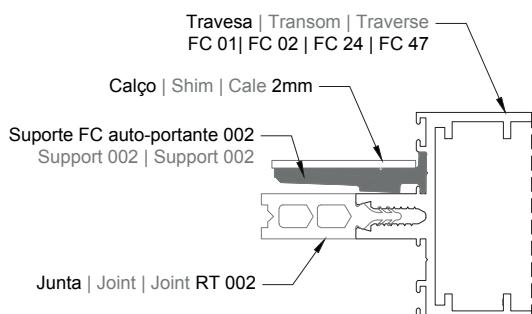
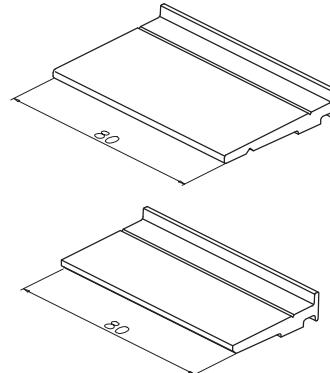
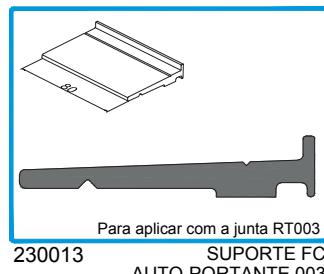
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FACHADA ESTRUTURAL - TRADICIONAL COM TAMPAS - APLICAÇÃO DOS SUPORTES DE VIDRO

CURTAIN WALL - WITH COVER CAPS - GLASS SUPPORTS APPLICATION

MUR RIDEAU - AVEC CAPOT - APPLICATION DES SUPPORTS DU VERRE



Observações:

Nos perfis FC01, FC02 e FC24, o calço de apoio de vidro tem de entrar de gaveta antes de se fixar a travessa ao montante;

Nos perfis FC34, FC44 e FC40 o calço de apoio de vidro será colocado após a fixação da travessa ao mullion;

O posicionamento do calço deverá estar aplicado a 1/10 da largura do vidro;

Para vidros com larguras superiores a 3m devem-se aplicar dois calços juntos, posicionados com a mesma regra de 1/10 da largura do vidro.

Remarks:

On profiles FC01, FC02 and FC24, the glass support must be inserted before fixing the transom to the mullion;

On profiles FC34, FC44 and FC40 the glass support shim will be placed after fixing the transom to the mullion;

The shim should be positioned at 1/10 of the width of the glass;

For glazing wider than 3m, two wedges must be applied together, positioned with the same rule of 1/10 of the width of the glass.

Remarques:

Dans les profilés FC01, FC02 et FC24, la cale de support du verre doit être insérée avant de fixer la traverse au montant;

Dans les profilés FC34, FC44 et FC40, la cale de support du verre sera placée après avoir fixé la traverse au montant;

Le positionnement de la cale doit être appliquée à 1/10 de la largeur du verre;

Pour les vitrages de plus de 3m de largeur, il faut appliquer deux cales ensemble, positionnées avec la même règle de 1/10 de la largeur du verre.

MONTAGEM DOS PERFIS

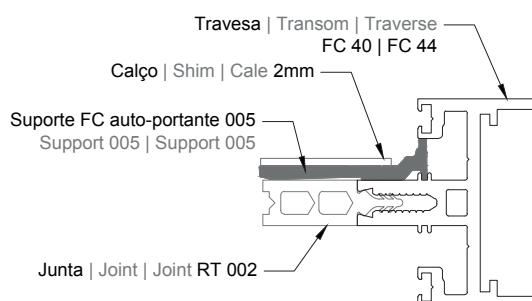
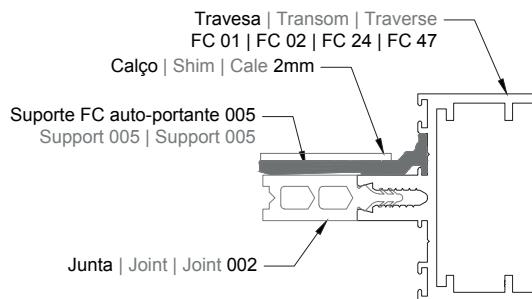
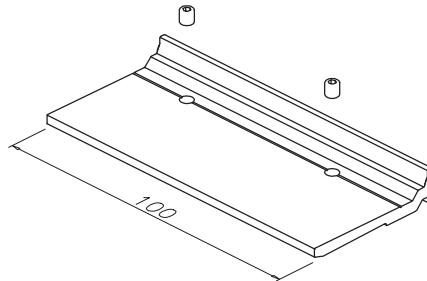
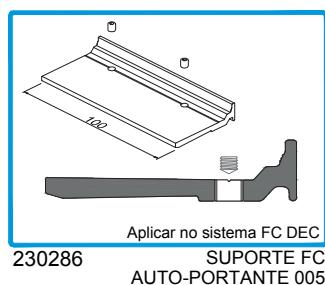
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FACHADA FC DEC

CURTAIN WALL ESTRUTURAL GLAZING DESIGN

MUR RIDEAU VEC DESIGN



Observações:

Nos perfis FC01, FC02 e FC24, o calço de apoio de vidro tem de entrar de gaveta antes de se fixar a travessa ao montante;

Nos perfis FC34, FC44 e FC40 o calço de apoio de vidro será colocado após a fixação da travessa ao mullion;

O posicionamento do calço deverá estar aplicado a 1/10 da largura do vidro;

Para vidros com larguras superiores a 3m devem-se aplicar dois calços juntos, posicionados com a mesma regra de 1/10 da largura do vidro.

Remarks:

On profiles FC01, FC02 and FC24, the glass support must be inserted before fixing the transom to the mullion;

On profiles FC34, FC44 and FC40 the glass support shim will be placed after fixing the transom to the mullion;

The shim should be positioned at 1/10 of the width of the glass;

For glazing wider than 3m, two wedges must be applied together, positioned with the same rule of 1/10 of the width of the glass.

Remarques:

Dans les profilés FC01, FC02 et FC24, la cale de support du verre doit être insérée avant de fixer la traverse au montant;

Dans les profilés FC34, FC44 et FC40, la cale de support du verre sera placée après avoir fixé la traverse au montant;

Le positionnement de la cale doit être appliquée à 1/10 de la largeur du verre;

Pour les vitrages de plus de 3m de largeur, il faut appliquer deux cales ensemble, positionnées avec la même règle de 1/10 de la largeur du verre.

MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

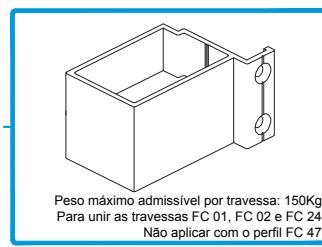
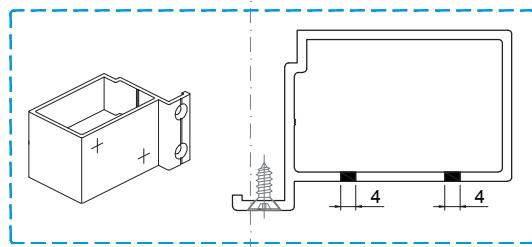
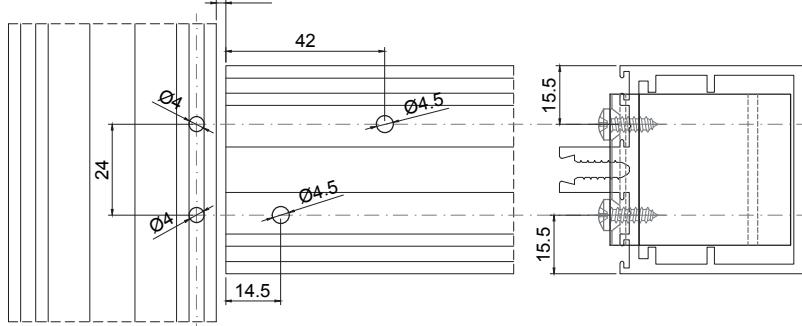
ASSEMBLAGE DES PROFILÉS

FURAÇÃO DAS TRAVESSAS PARA FIXAÇÃO DAS UNIÕES

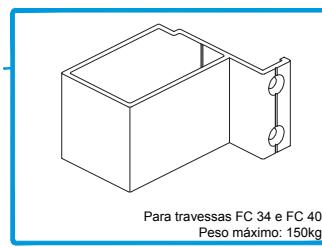
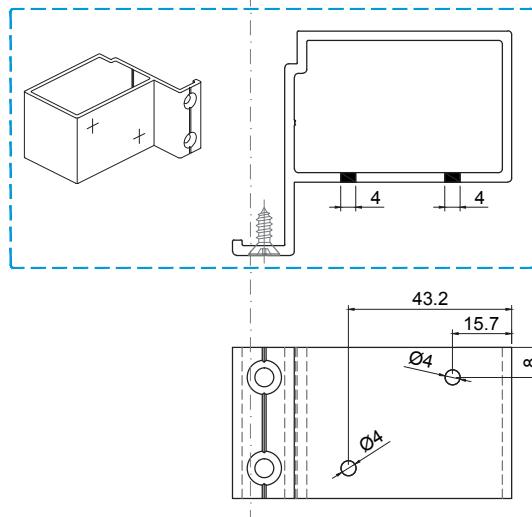
TRANSOMS DRILLING TO FIX THE UNIONS

PERÇAGE DES TRAVERSES POUR FIXER LES UNIONS

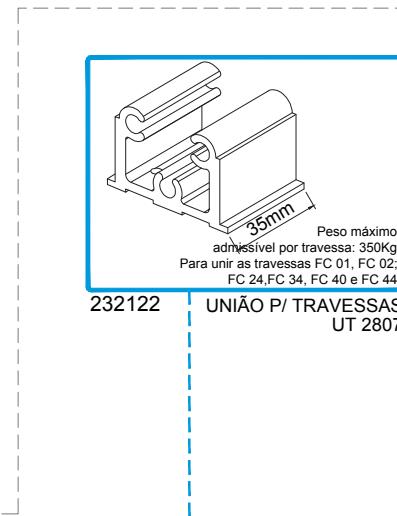
2.5



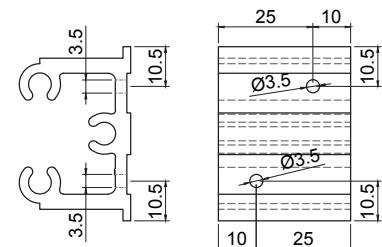
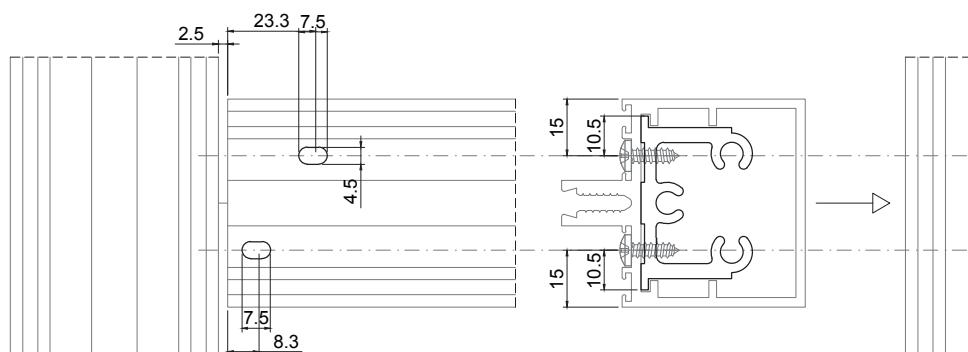
232124 UNIÃO FRONTAL P/
TRAVESSAS UT27



232017 UNIÃO FRONTAL P/
TRAVESSAS FC34/FC40



232122 UNIÃO P/ TRAVESSAS
UT 2807



MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

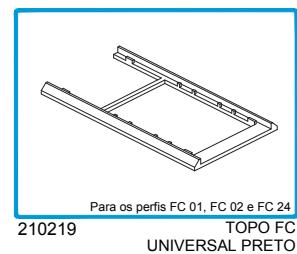
ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC02 COM A UNIÃO UT2807

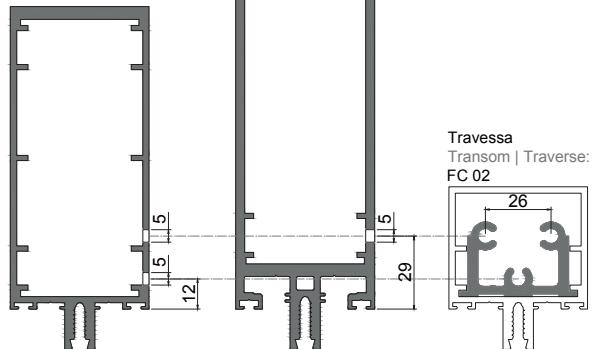
UNIVERSAL END-CAP APPLICATION ON FC 02 TRANSOM WITH UT2807 UNION

APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 02 AVEC L'UNION UT2807

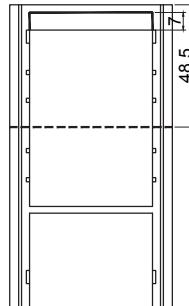
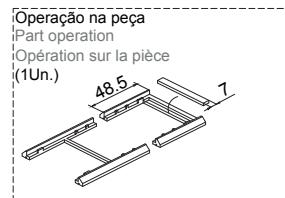
Montantes
Mullions | Montants:
FC 34 | FC 40 | FC 47 | FC 44



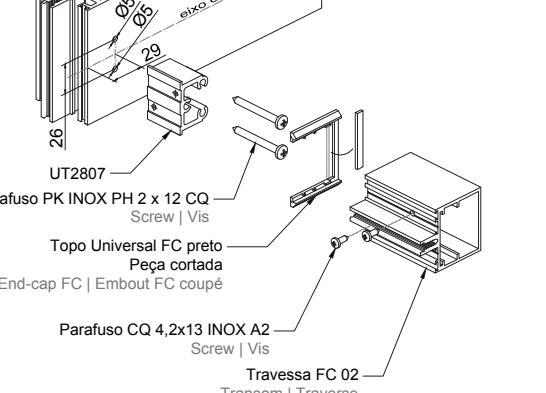
Montantes
Mullions | Montants:
FC 01 | FC 24



Travessa
Transom | Traverse:
FC 02



Montantes:
Mullions | Montants
FC 01 | FC 24 | FC 34
FC 40 | FC 47 | FC 44



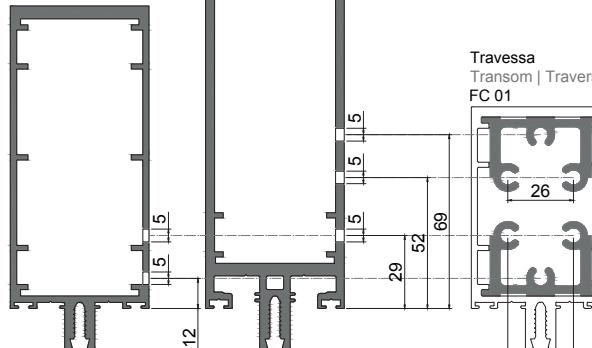
APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 01 COM A UNIÃO UT2807

UNIVERSAL END-CAP APPLICATION ON FC 01 TRANSOM WITH UT2807 UNION

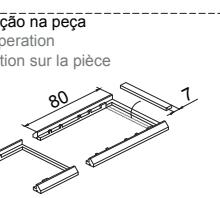
APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 01 AVEC L'UNION UT2807

Montantes
Mullions | Montants:
FC 34 | FC 40 | FC 47 | FC 44

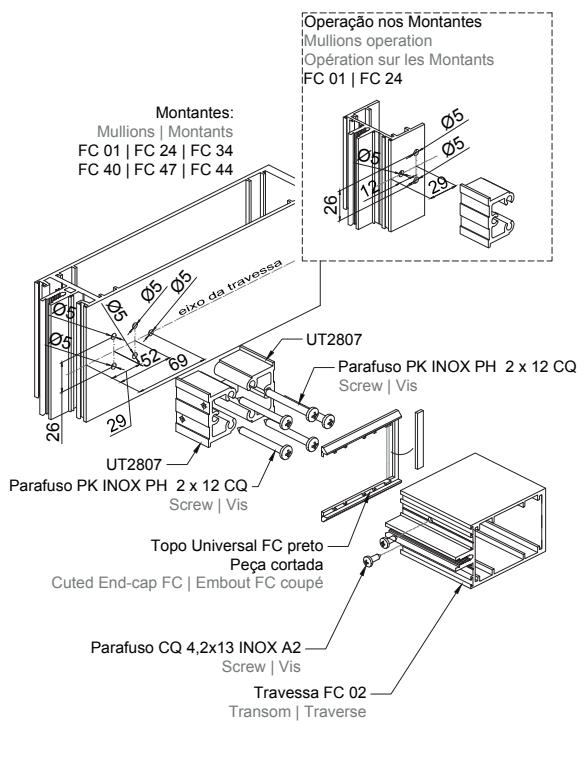
Montantes
Mullions | Montants:
FC 01 | FC 24



Travessa
Transom | Traverse:
FC 01

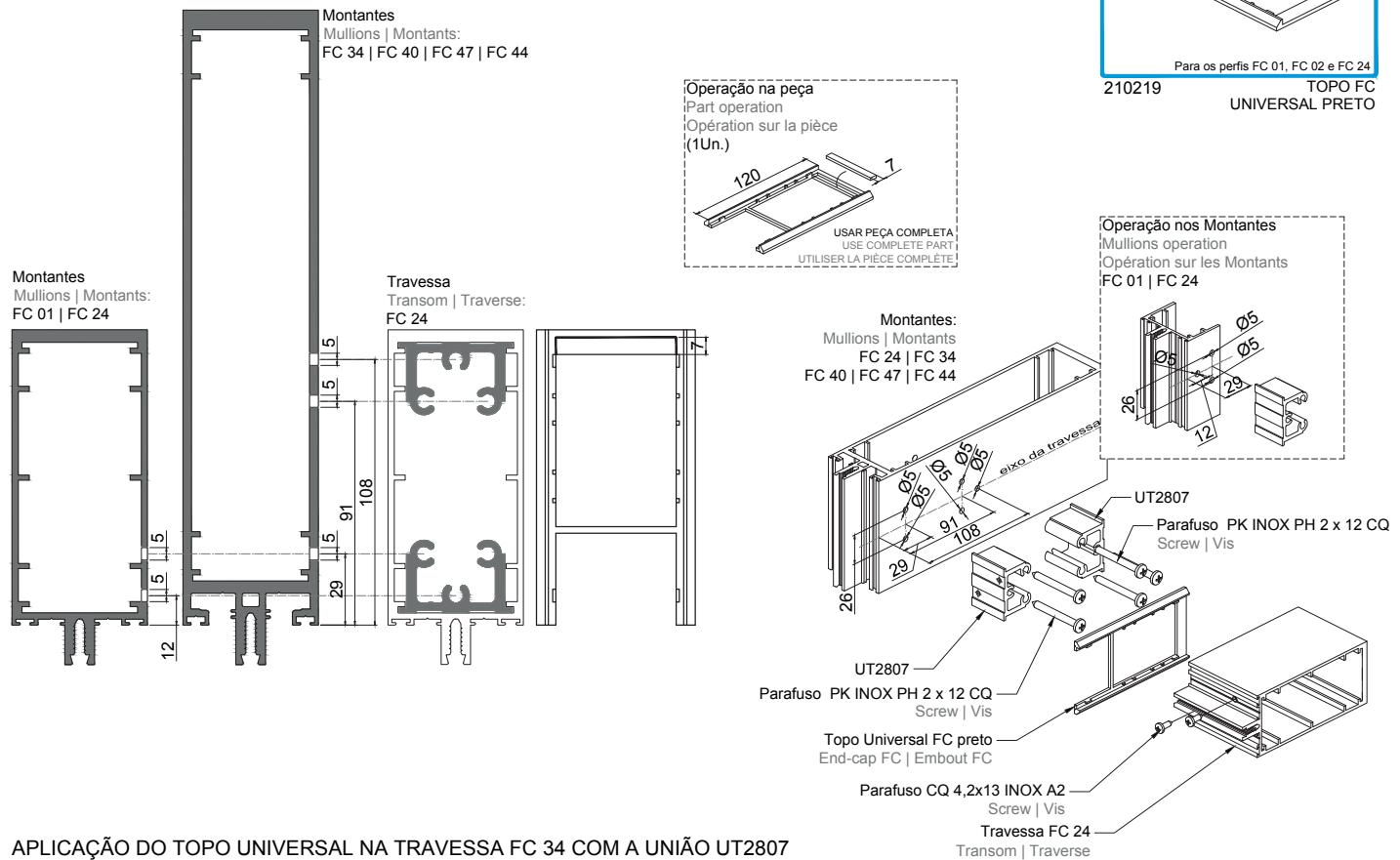


Montantes:
Mullions | Montants
FC 01 | FC 24 | FC 34
FC 40 | FC 47 | FC 44

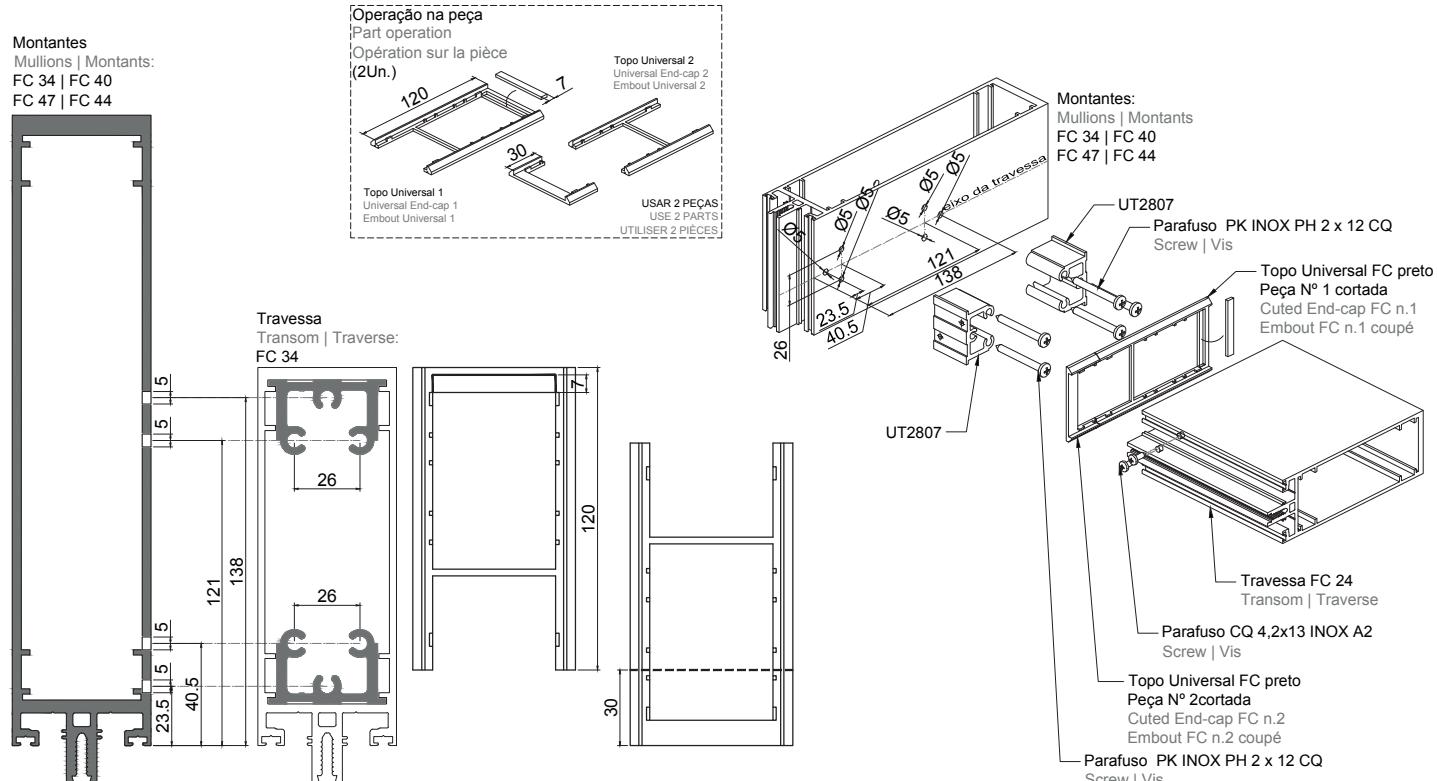


MONTAGEM DOS PERFIS
PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC24 COM A UNIÃO UT2807
UNIVERSAL END-CAP APPLICATION ON FC 24 TRANSOM WITH UT2807 UNION
APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 24 AVEC L'UNION UT2807



APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 34 COM A UNIÃO UT2807
UNIVERSAL END-CAP APPLICATION ON FC 34 TRANSOM WITH UT2807 UNION
APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 34 AVEC L'UNION UT2807



MONTAGEM DOS PERFIS

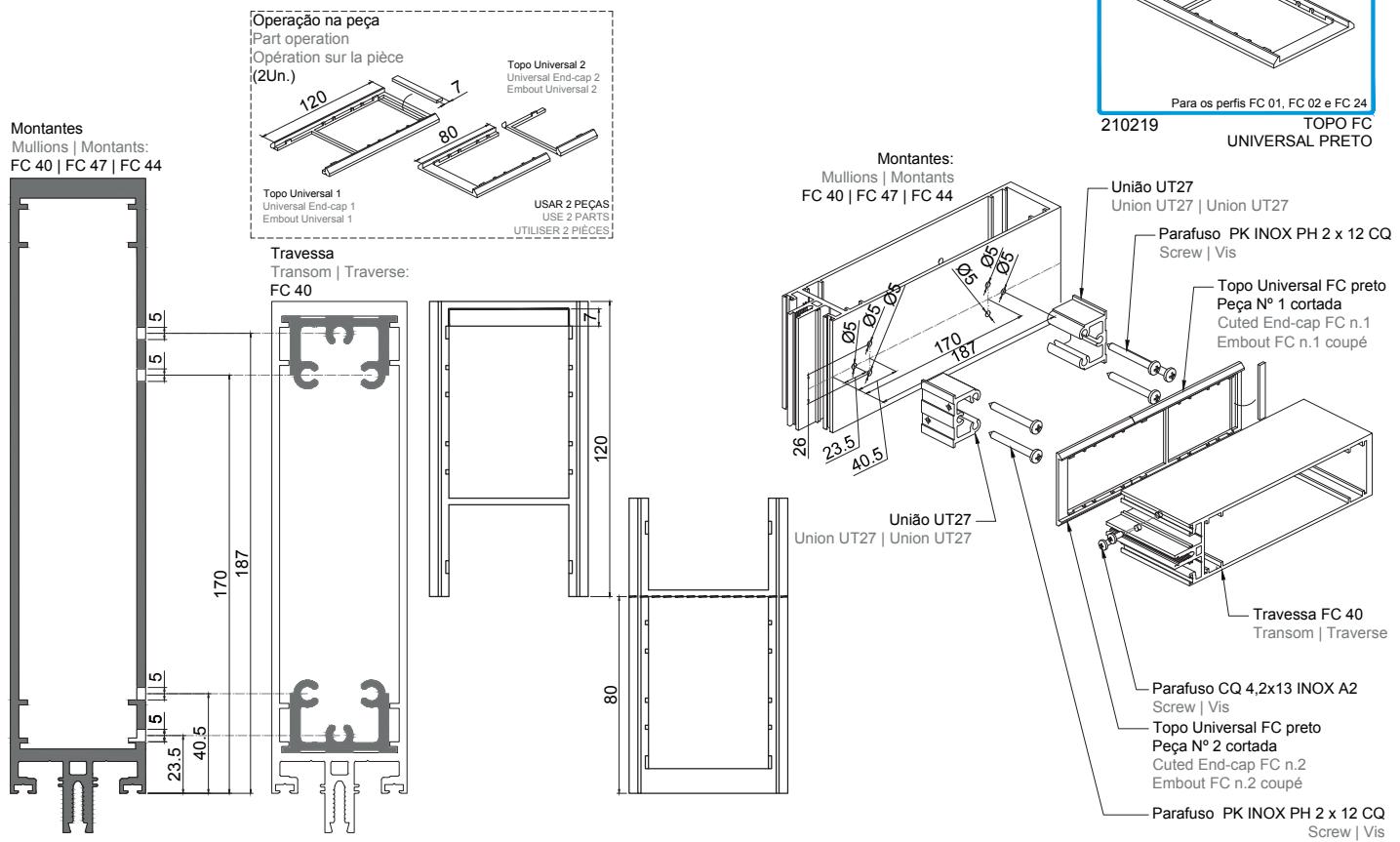
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 40 COM A UNIÃO UT2807

UNIVERSAL END-CAP APPLICATION ON FC 40 TRANSOM WITH UT2807 UNION

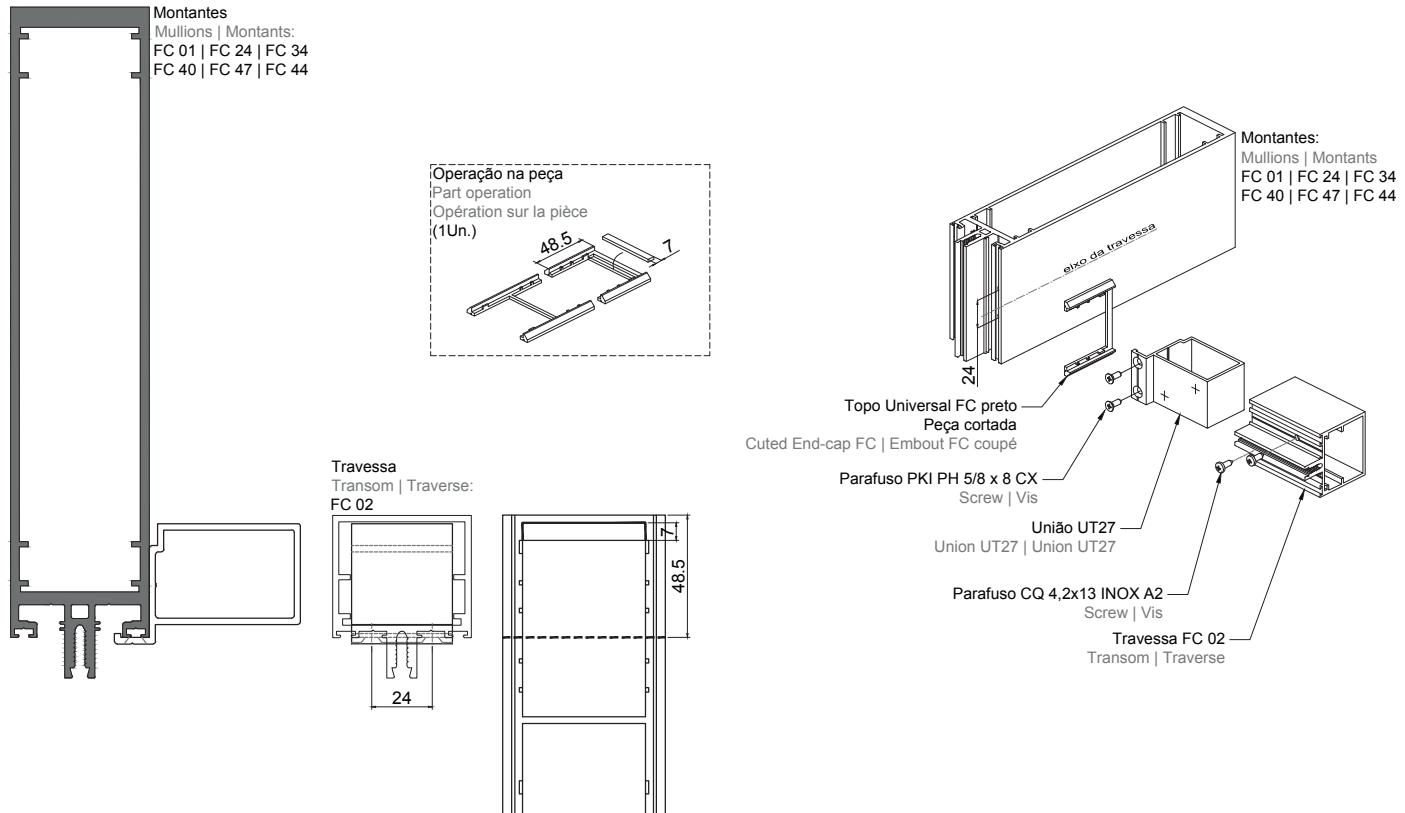
APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 40 AVEC L'UNION UT2807



APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 02 COM A UNIÃO UT27

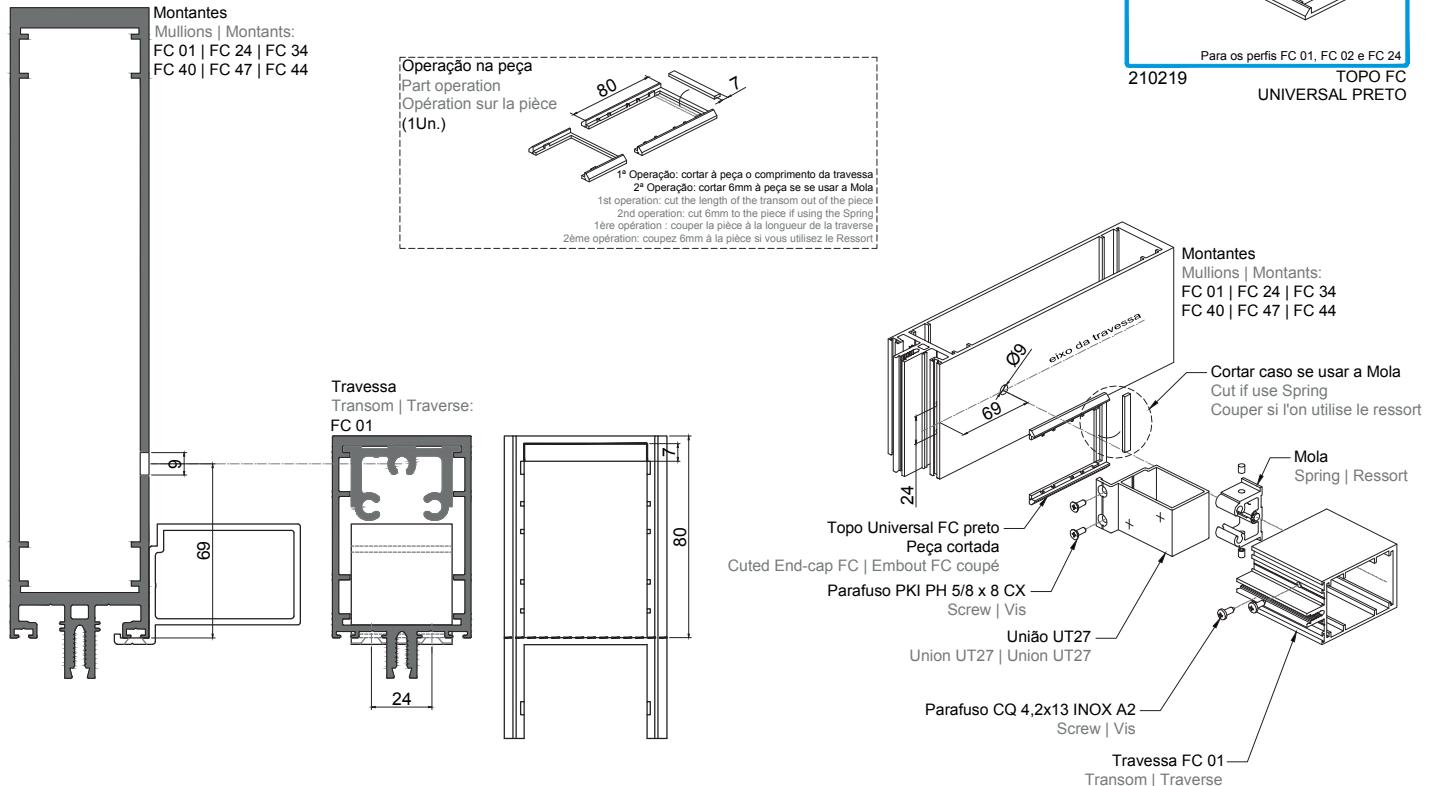
UNIVERSAL END-CAP APPLICATION ON FC 02 TRANSOM WITH UT27 UNION

APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 02 AVEC L'UNION UT27

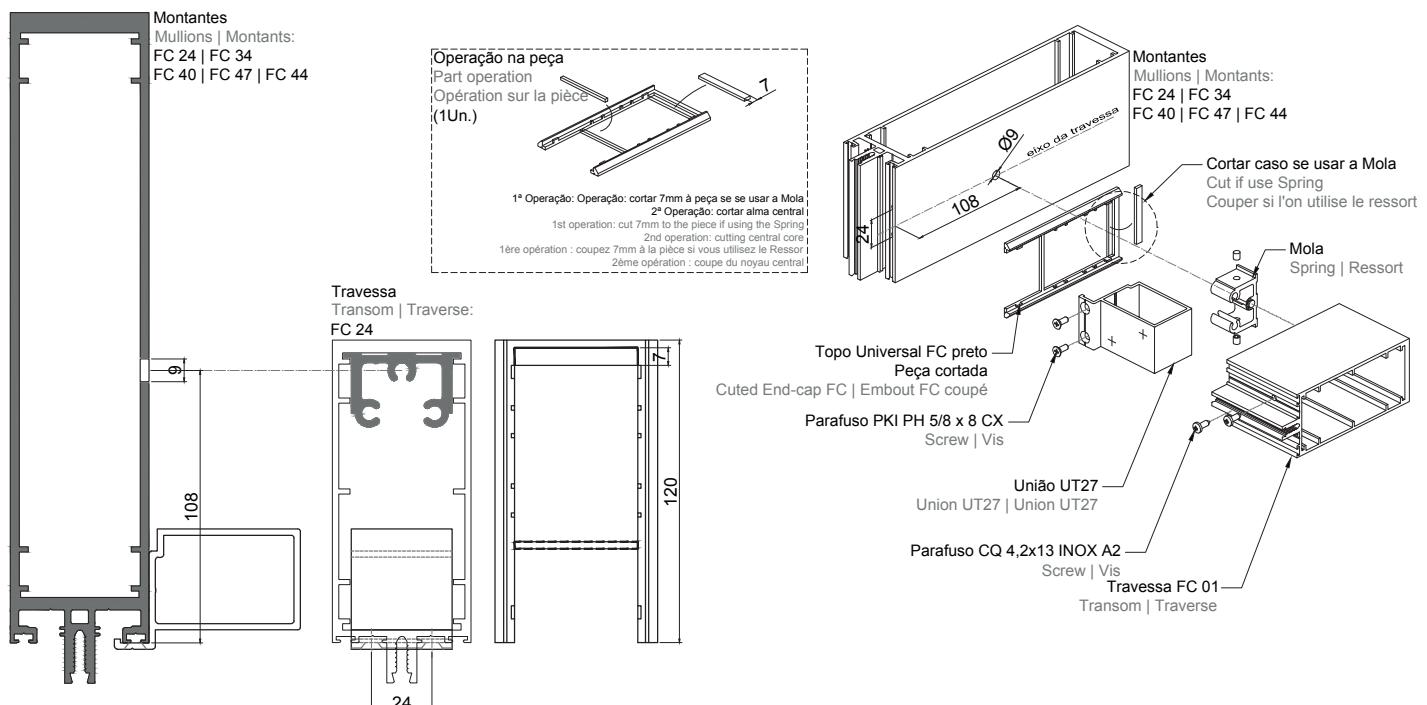


MONTAGEM DOS PERFIS
PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 01 COM A UNIÃO UT27
UNIVERSAL END-CAP APPLICATION ON FC 01 TRANSOM WITH UT27 UNION
APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 01 AVEC L'UNION UT27

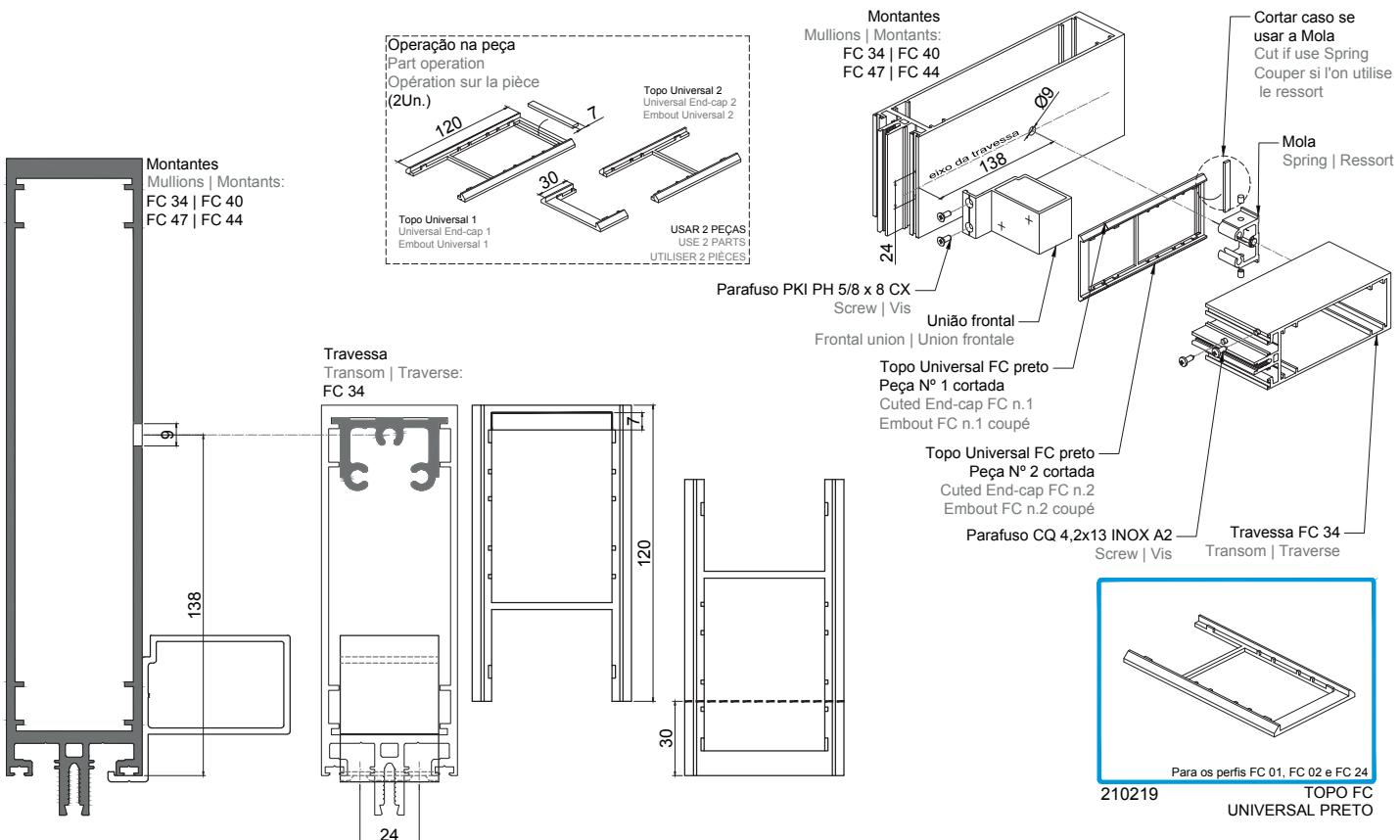


APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 24 COM A UNIÃO UT27 E MOLA
UNIVERSAL END-CAP APPLICATION ON FC 24 TRANSOM WITH UT27 UNION AND SPRING
APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 24 AVEC L'UNION UT27 ET RESSORT

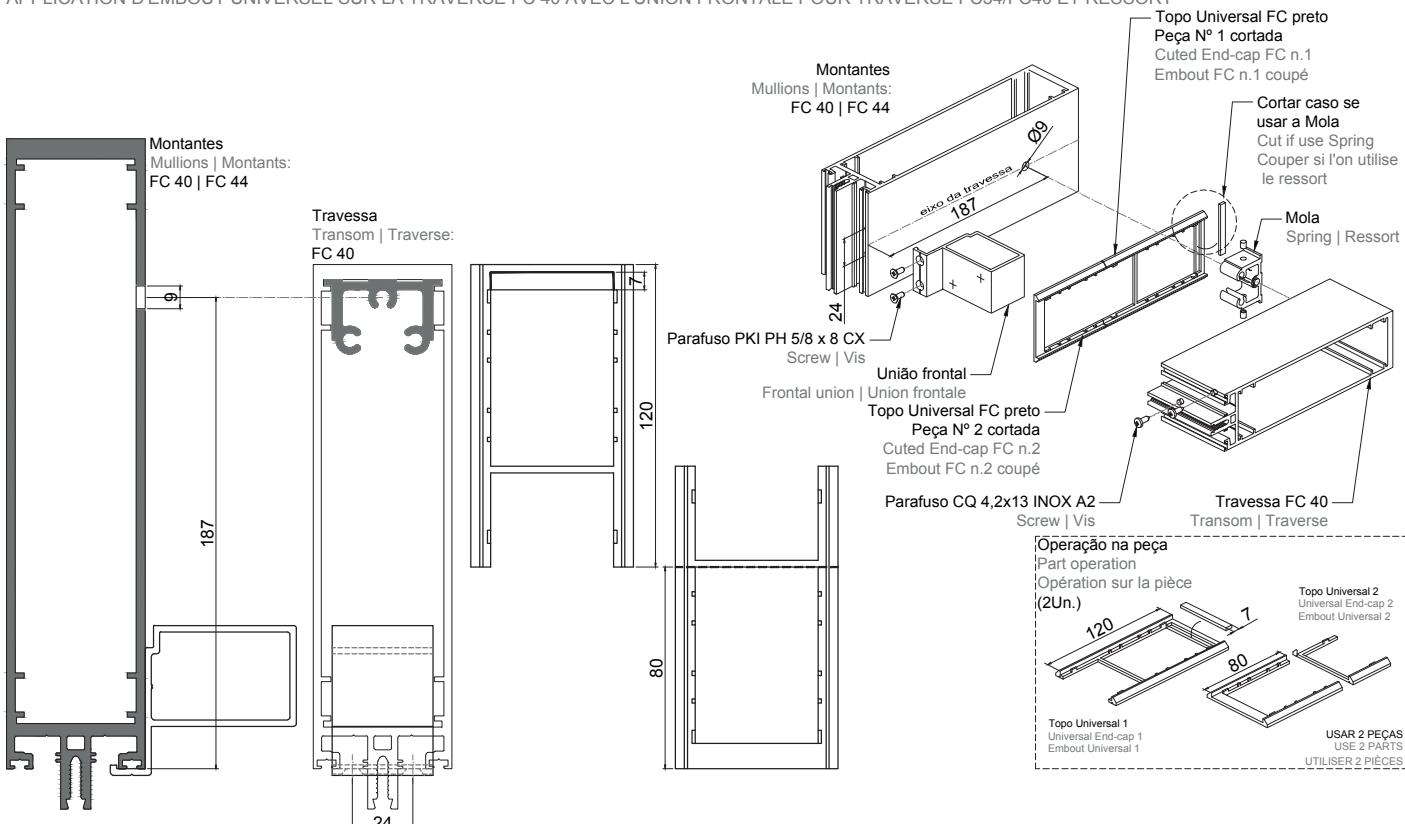


MONTAGEM DOS PERFIS PROFILES ASSEMBLY ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 34 COM A UNIÃO FRONTAL PARA TRAVESSA FC34/FC40 E MOLA UNIVERSAL END-CAP APPLICATION ON FC 34 TRANSOM WITH FRONTAL UNION FOR TRANSOM FC34/FC40 AND SPRING APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 34 AVEC L'UNION FRONTALE POUR TRAVERSE FC34/FC40 ET RESSORT

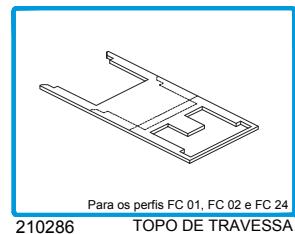


APLICAÇÃO DO TOPO UNIVERSAL NA TRAVESSA FC 40 COM A UNIÃO FRONTAL PARA TRAVESSA FC34/FC40 E MOLA UNIVERSAL END-CAP APPLICATION ON FC 40 TRANSOM WITH FRONTAL UNION FOR TRANSOM FC34/FC40 AND SPRING APPLICATION D'EMBOUT UNIVERSEL SUR LA TRAVERSE FC 40 AVEC L'UNION FRONTALE POUR TRAVERSE FC34/FC40 ET RESSORT

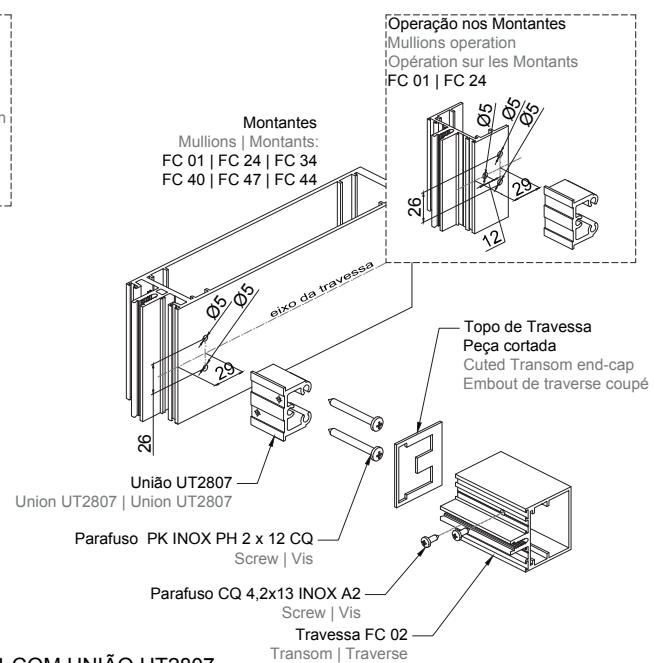
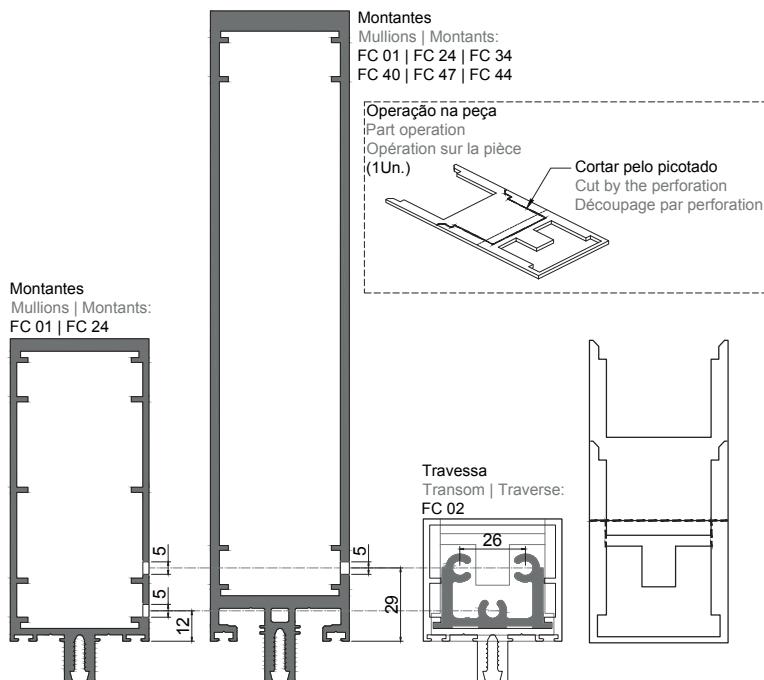


MONTAGEM DOS PERFIS PROFILES ASSEMBLY ASSEMBLAGE DES PROFILÉS

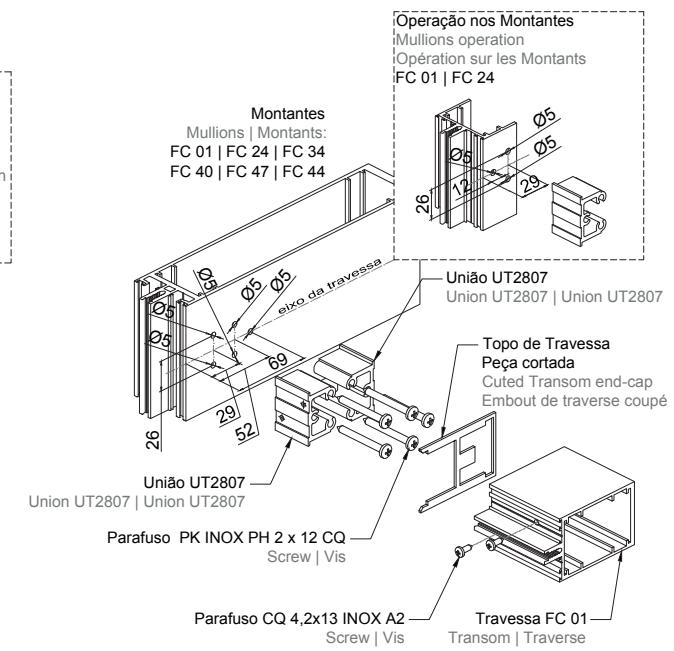
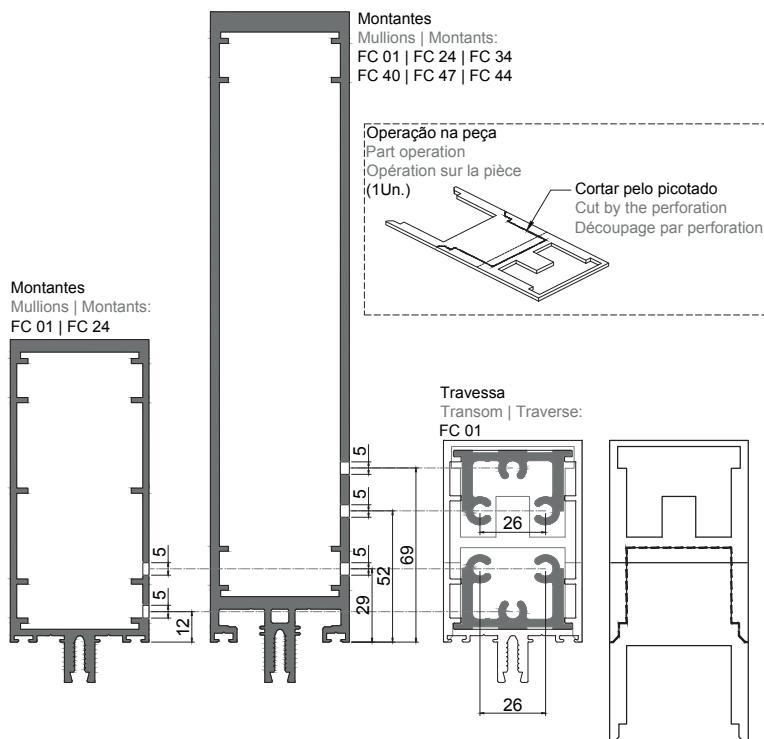
APLICAÇÃO DO TOPO TRAVESSA FC 01-FC 02-FC 24 NA TRAVESSA FC 02 COM UNIÃO UT2807 FC 01-FC 02-FC 24 TRANSOM END-CAP APPLICATION ON FC 02 TRANSOM WITH UT2807 UNION APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 02 AVEC L'UNION UT2807



Para os perfis FC 01, FC 02 e FC 24
210286 TOPO DE TRAVESSA
FC01-FC02-FC24



APLICAÇÃO DO TOPO TRAVESSA FC 01-FC 02-FC 24 NA TRAVESSA FC 01 COM UNIÃO UT2807 FC 01-FC 02-FC 24 TRANSOM END-CAP APPLICATION ON FC 01 TRANSOM WITH UT2807 UNION APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 01 AVEC L'UNION UT2807



MONTAGEM DOS PERFIS

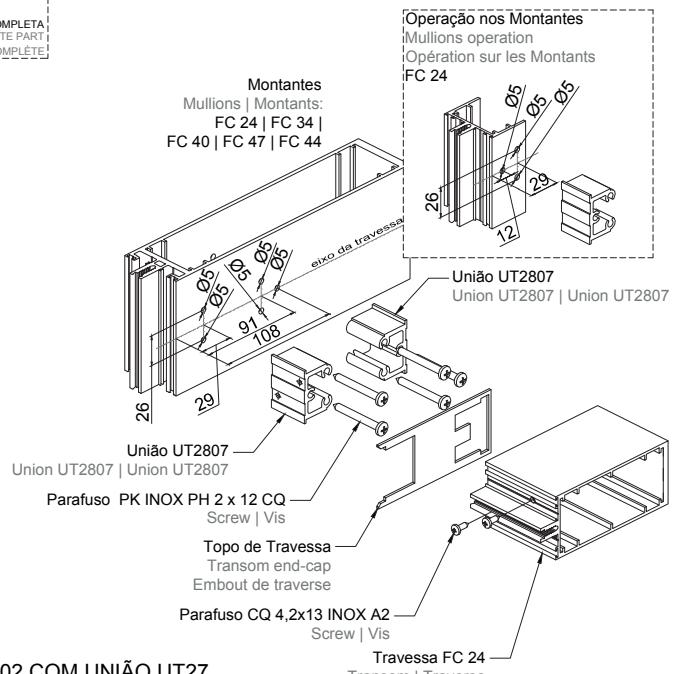
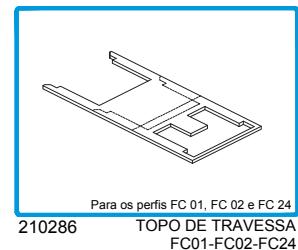
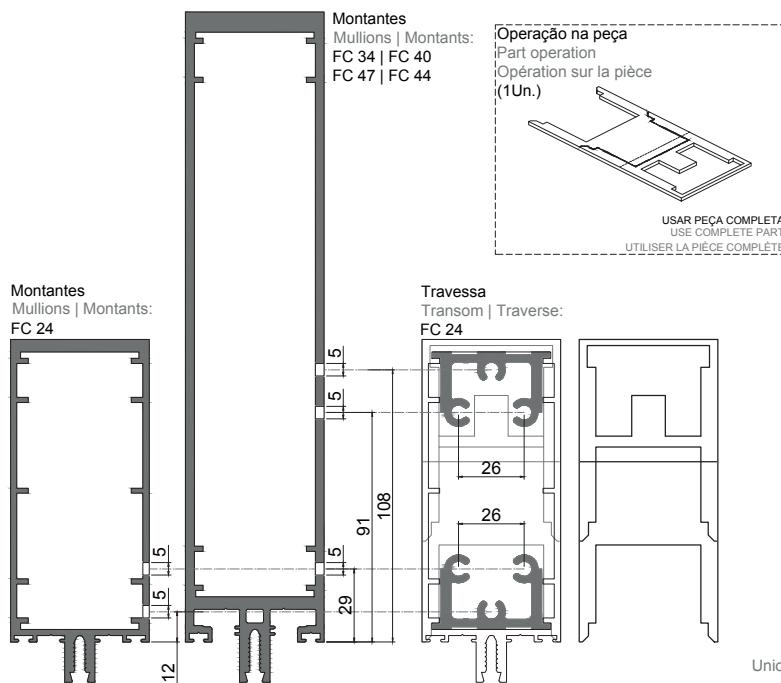
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO TRAVESSA FC 01-FC 02-FC 24 NA TRAVESSA FC 24 COM UNIÃO UT2807

FC 01-FC 02-FC 24 TRANSOM END-CAP APPLICATION ON FC 24 TRANSOM WITH UT2807 UNION

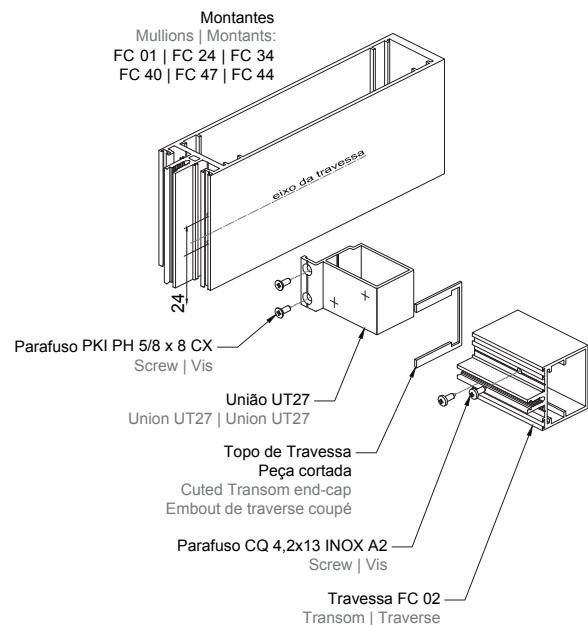
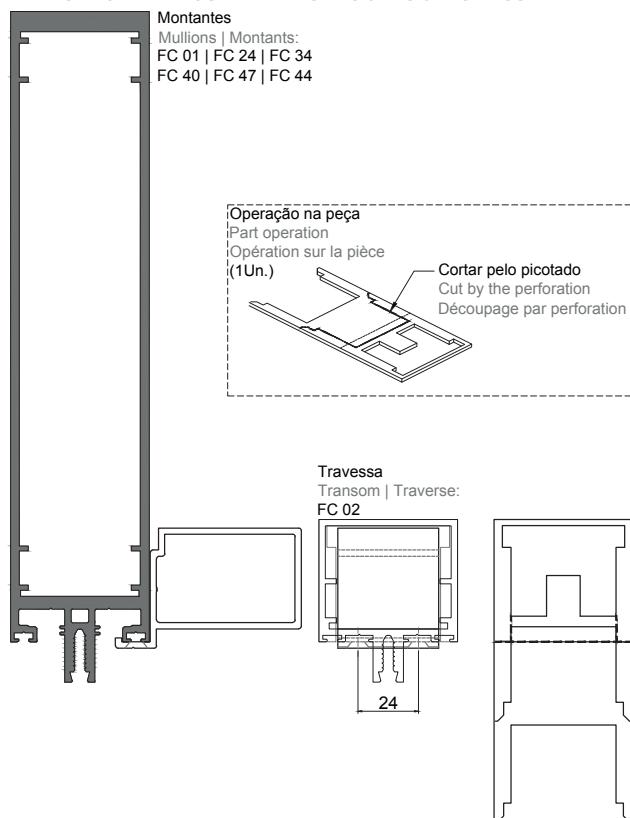
APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 24 SUR LA TRAVERSE FC 24 AVEC L'UNION UT2807



APLICAÇÃO DO TOPO TRAVESSA FC 01-FC 02-FC 24 NA TRAVESSA FC 02 COM UNIÃO UT27

FC 01-FC 02-FC 24 TRANSOM END-CAP APPLICATION ON FC 02 TRANSOM WITH UT27 UNION

APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 24 SUR LA TRAVERSE FC 02 AVEC L'UNION UT27



MONTAGEM DOS PERFIS

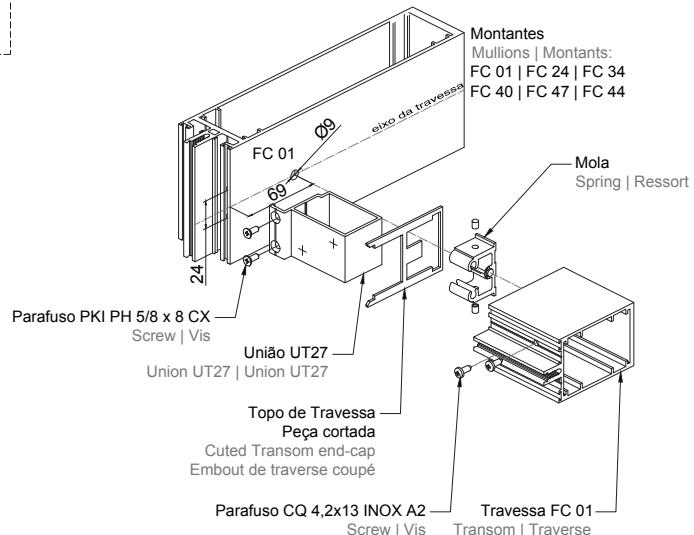
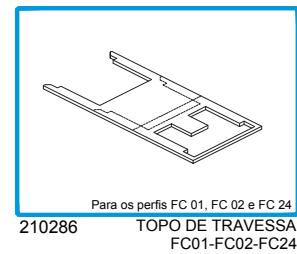
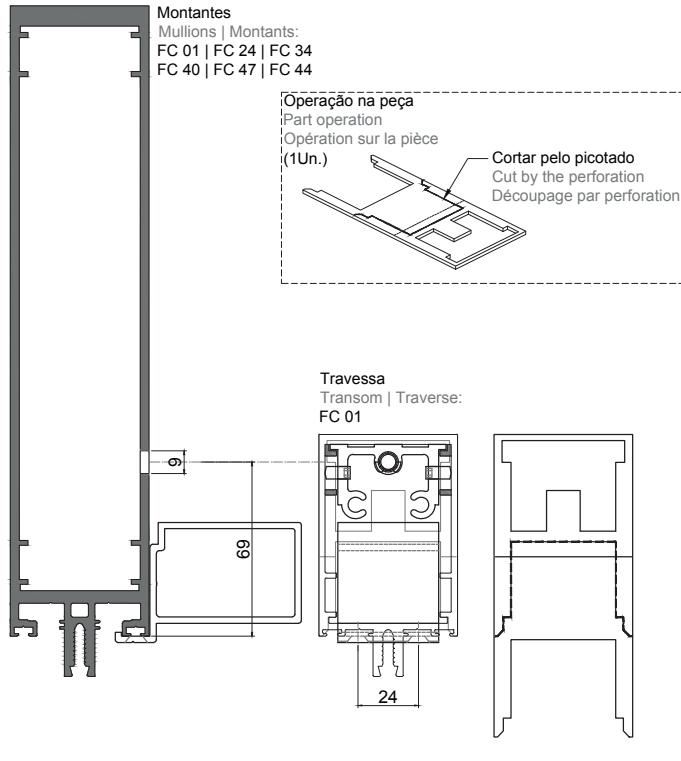
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO TRAVESSA FC 01-FC 02-FC 24 NA TRAVESSA FC 01 COM UNIÃO UT27 E MOLA

FC 01-FC 02-FC 24 TRANSOM END-CAP APPLICATION ON FC 01 TRANSOM WITH UT27 UNION AND SPRING

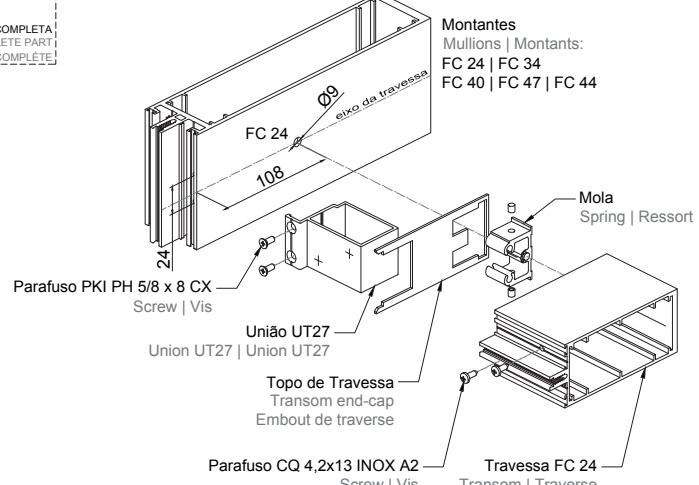
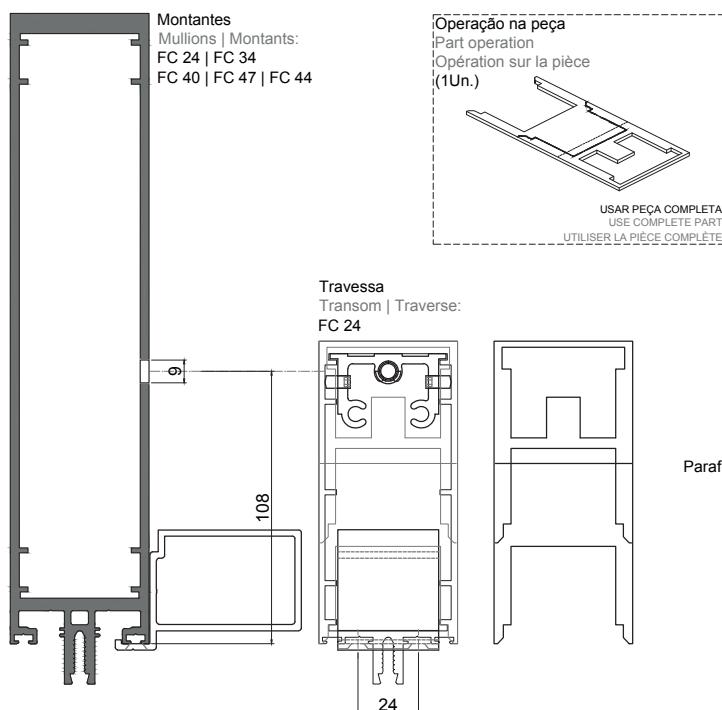
APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 24 SUR LA TRAVERSE FC 01 AVEC L'UNION UT27 ET RESSORT



APLICAÇÃO DO TOPO TRAVESSA FC 01-FC 02-FC 24 NA TRAVESSA FC 24 COM UNIÃO UT27 E MOLA

FC 01-FC 02-FC 24 TRANSOM END-CAP APPLICATION ON FC 24 TRANSOM WITH UT27 UNION AND SPRING

APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 24 SUR LA TRAVERSE FC 24 AVEC L'UNION UT27 ET RESSORT



MONTAGEM DOS PERFIS

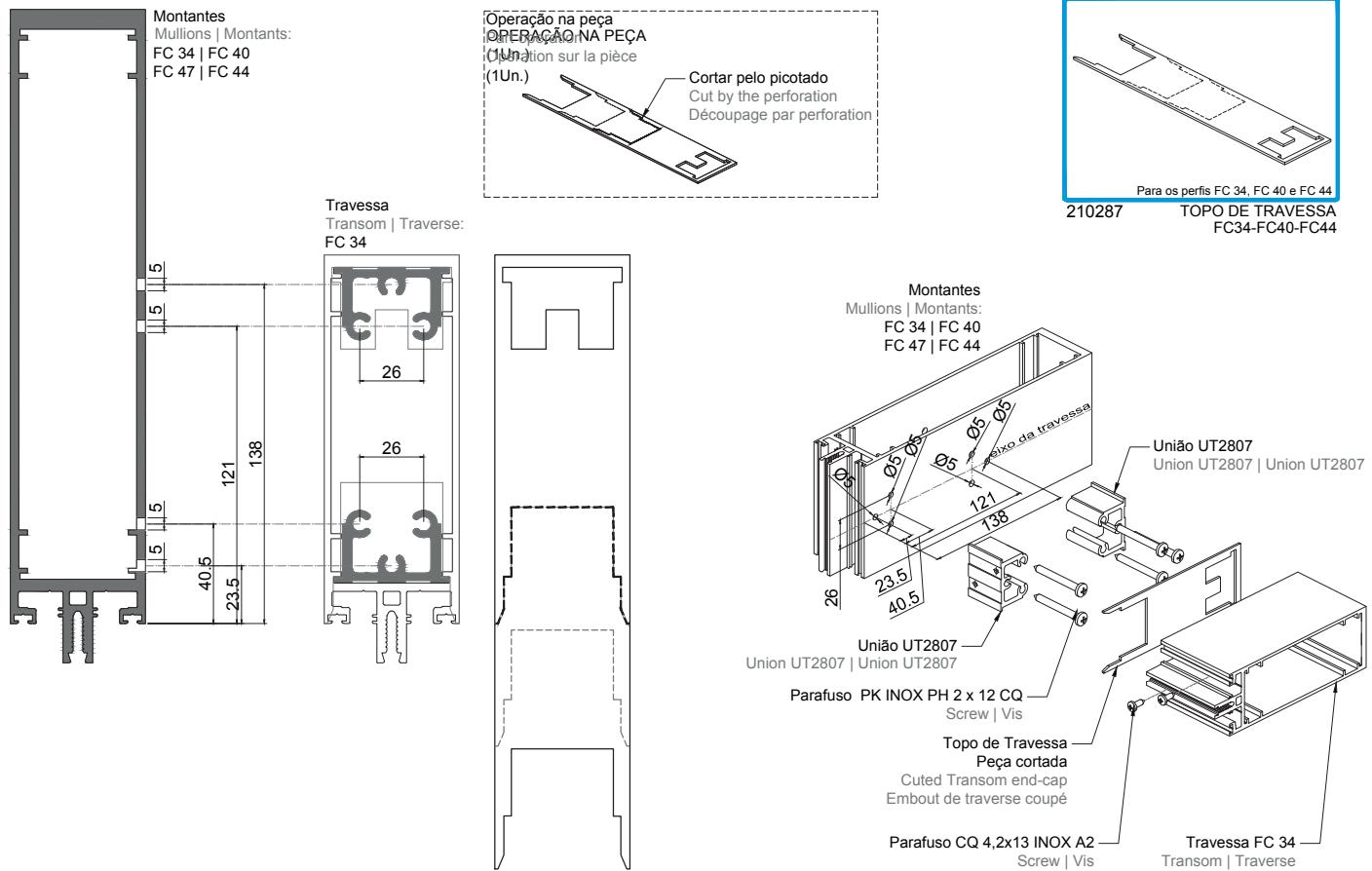
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO TRAVESSA FC 34-FC 40-FC 44 NA TRAVESSA FC 34 COM UNIÃO UT2807

FC 34-FC 40-FC 44 TRANSOM END-CAP APPLICATION ON FC 34 TRANSOM WITH UT2807 UNION

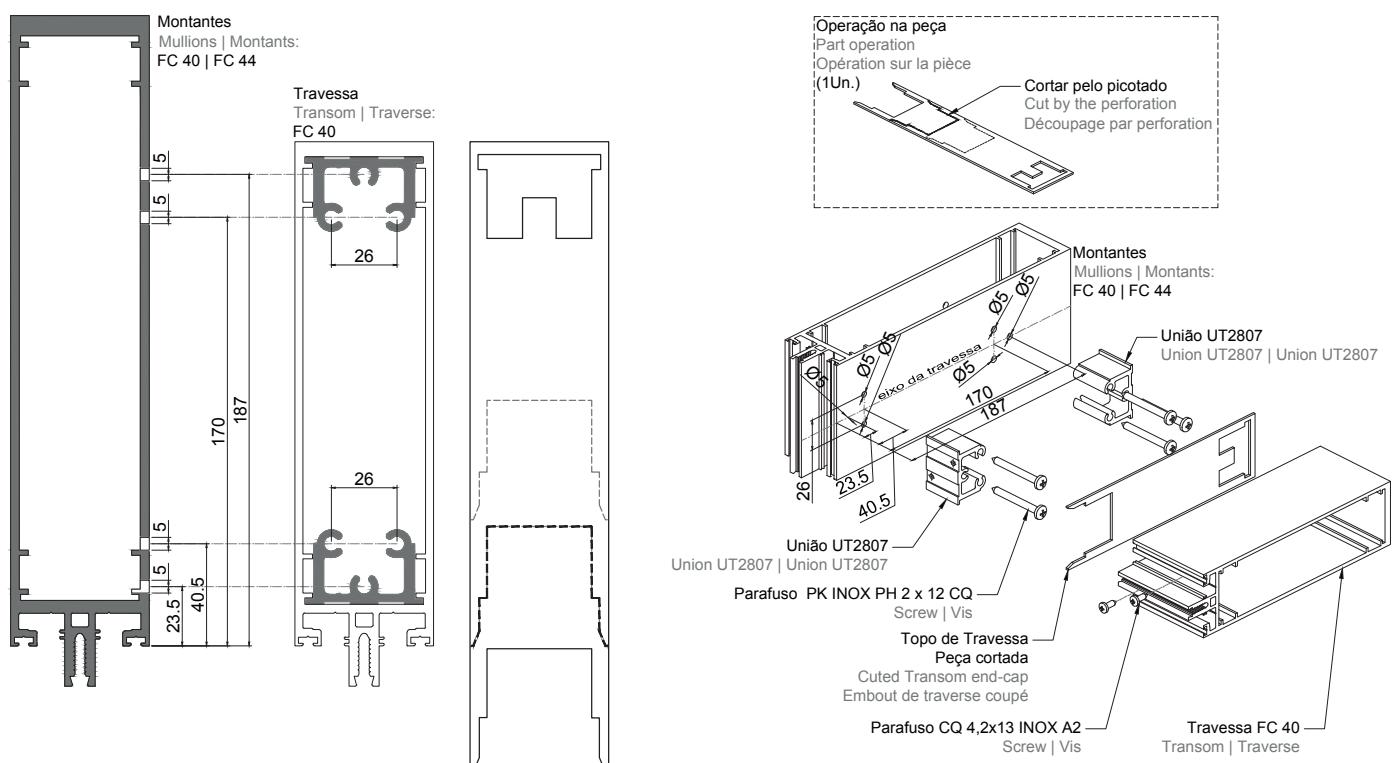
APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 34 AVEC L'UNION UT2807



APLICAÇÃO DO TOPO TRAVESSA FC 34-FC 40-FC 44 NA TRAVESSA FC 40 COM UNIÃO UT2807

FC 34-FC 40-FC 44 TRANSOM END-CAP APPLICATION ON FC 40 TRANSOM WITH UT2807 UNION

APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 40 AVEC L'UNION UT2807



MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

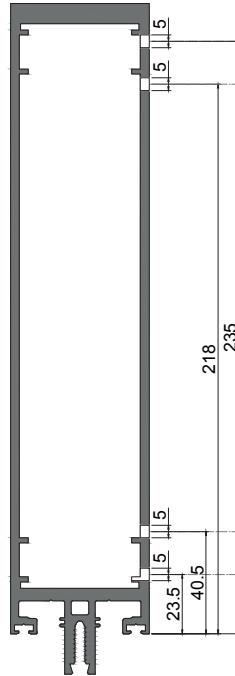
APLICAÇÃO DO TOPO TRAVESSA FC 34-FC 40-FC 44 NA TRAVESSA FC 44 COM UNIÃO UT2807

FC 34-FC 40-FC 44 TRANSOM END-CAP APPLICATION ON FC 44 TRANSOM WITH UT2807 UNION

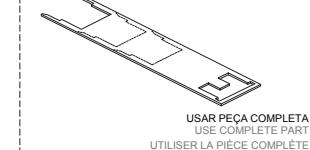
APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 44 AVEC L'UNION UT2807

Montantes
Mullions | Montants:
FC 44

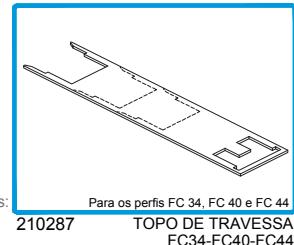
Travessa
Transom | Traverse:
FC 44



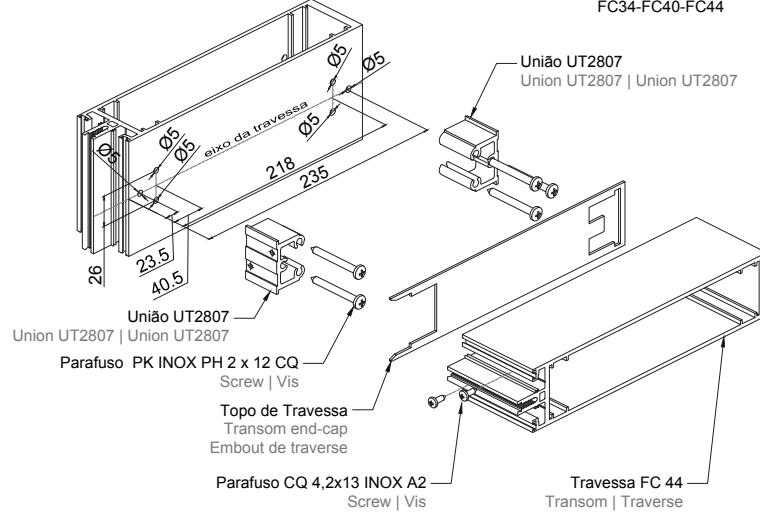
Operação na peça
Part operation
Opération sur la pièce
(1Un.)



Montantes
Mullions | Montants:
FC 44



Para os perfis FC 34, FC 40 e FC 44
210287 TOPO DE TRAVESSA
FC34-FC40-FC44



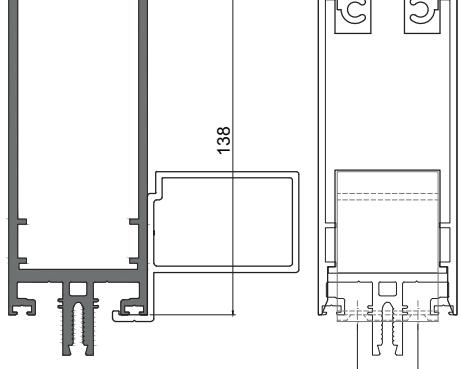
APLICAÇÃO DO TOPO TRAVESSA FC 34-FC 40-FC 44 NA TRAVESSA FC 34 COM UNIÃO FRONTAL PARA TRAVESSA FC34/FC40 E MOLA

FC 34-FC 40-FC 44 TRANSOM END-CAP APPLICATION ON FC 34 TRANSOM WITH FRONTAL UNION FOR TRANSOM FC34/FC40 AND SPRING

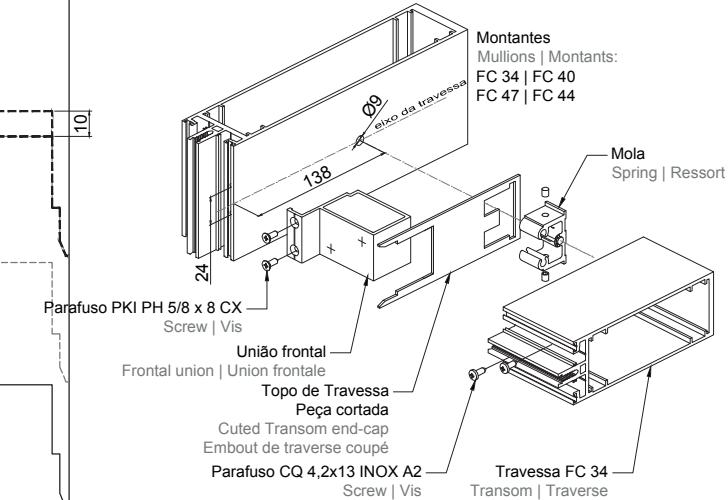
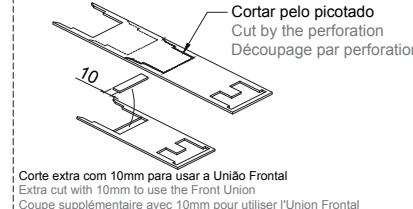
APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 34 AVEC L'UNION FRONTALE POUR TRAVERSE FC34/FC40 ET RESSORT

Montantes
Mullions | Montants:
FC 34 | FC 40
FC 47 | FC 44

Travessa
Transom | Traverse:
FC 34



Operação na peça
Part operation
Opération sur la pièce
(1Un.)



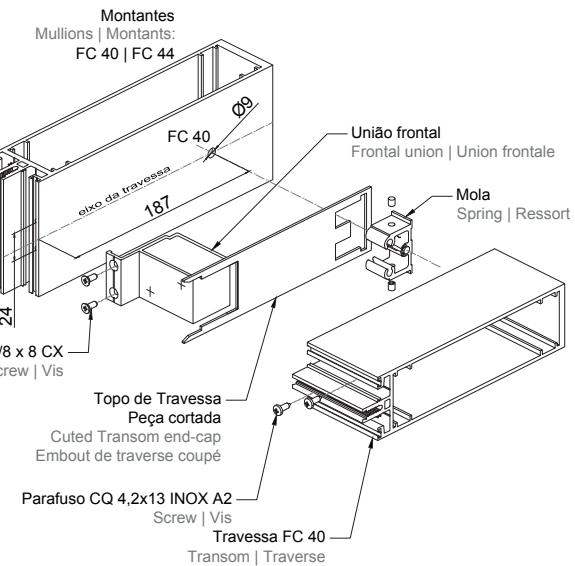
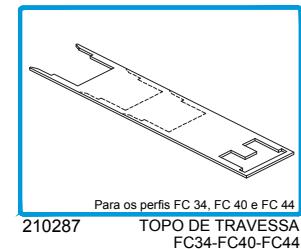
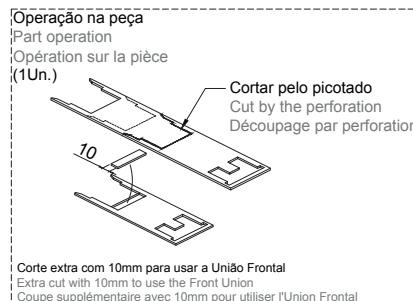
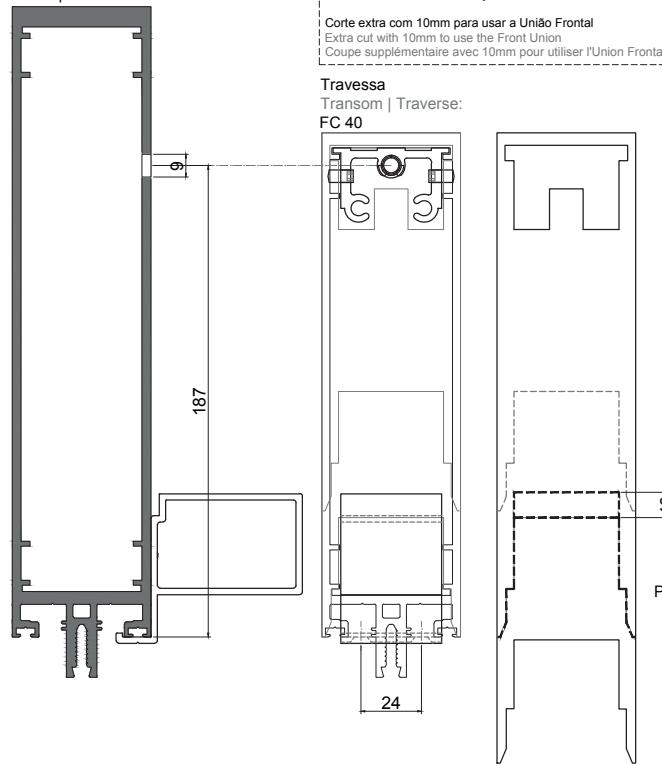
MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DO TOPO TRAVESSA FC 34-FC 40-FC 44 NA TRAVESSA FC 40 COM UNIÃO FRONTAL PARA TRAVESSA FC34/FC40 E MOLA
FC 34-FC 40-FC 44 TRANSOM END-CAP APPLICATION ON FC 40 TRANSOM WITH FRONTAL UNION FOR TRANSOM FC34/FC40 AND SPRING
APPLICATION D'EMBOUT TRAVERSE FC 01-FC 02-FC 03 SUR LA TRAVERSE FC 40 AVEC L'UNION FRONTALE POUR TRAVERSE FC34/FC40 ET RESSORT

Montantes
Mullions | Montants:
FC 40 | FC 44



MONTAGEM DOS PERFIS

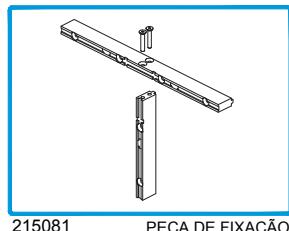
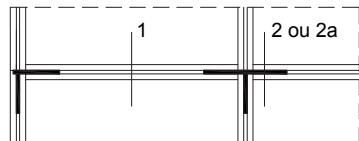
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DA PEÇA DE FIXAÇÃO FRONTAL RT 002

APPLICATION OF THE FRONT FIXING PART RT 002

APPLICATION DE LA PIÈCE DE FIXATION FRONTALE RT 002



Calço | SHIM | CALE 2mm
Ref. 230012

Peça de fixação frontal para Junta RT 002
Part RT 002 | Pièce RT 002
Ref. 290460

25
59.5

CORTE | SECTION | SECTION 1

Peça de fixação frontal para Junta RT 002
Part RT 002 | Pièce RT 002
Ref. 290062 - nos perfis | with profiles | avec profilés FC01, FC 02, FC 24 e FC47

Calço | SHIM | CALE 8mm

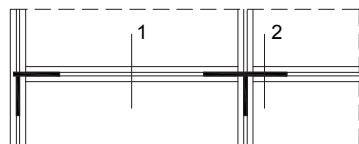
25
28

CORTE | SECTION | SECTION 2

APLICAÇÃO DA PEÇA DE FIXAÇÃO FRONTAL RT 003

APPLICATION OF THE FRONT FIXING PART RT 003

APPLICATION DE LA PIÈCE DE FIXATION FRONTALE RT 003



Calço | SHIM | CALE 2mm
Junta | Joint | Joint RT 003
Ref. 230013

Ref. 290461

37
76

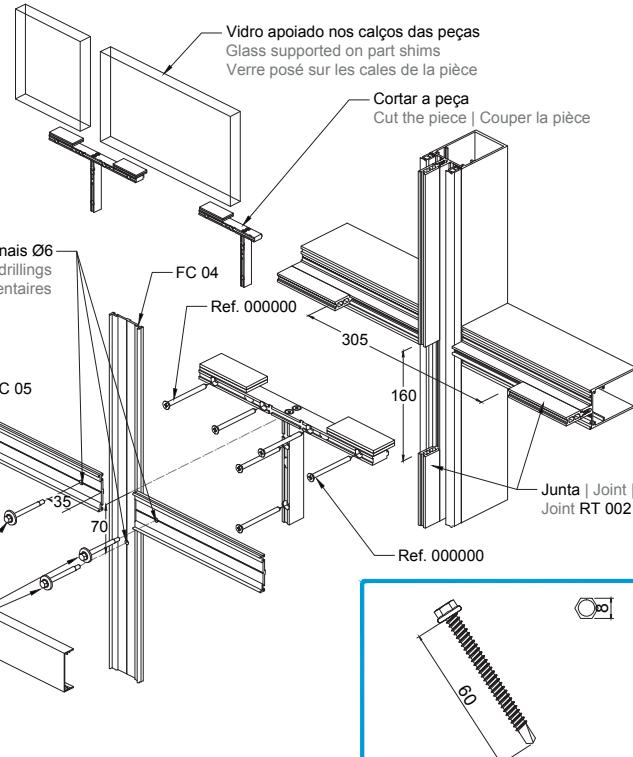
CORTE | SECTION | SECTION 1

Peça de fixação frontal para Junta RT 003
Part RT 003 | Pièce RT 003
Calço | SHIM | CALE 8mm

Ref. 290062

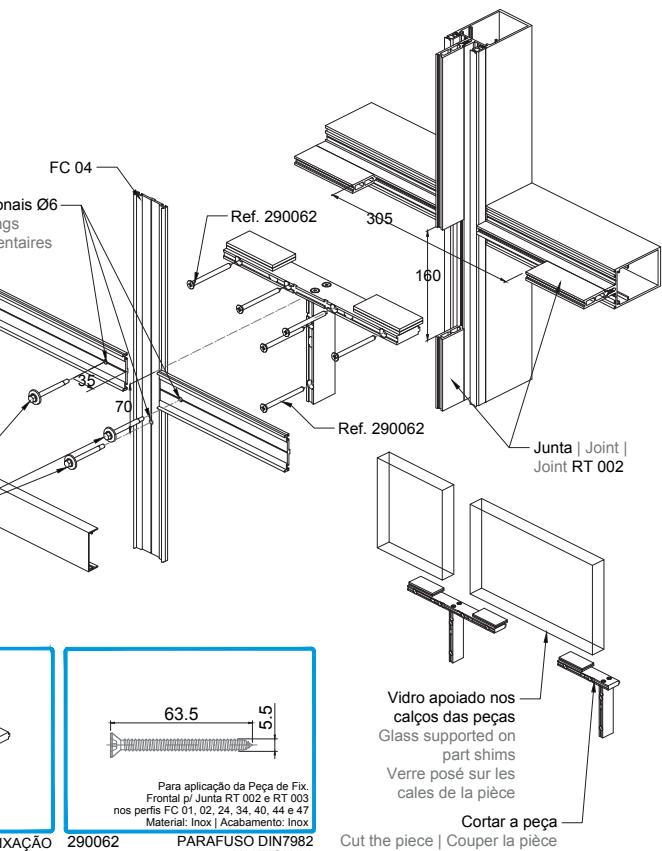
37
40

CORTE | SECTION | SECTION 2



Para aplicar com as juntas RT 002 e RT 003
290460 PARAFUSO DIN7504
5,5x60 Dmet

63,5
5,5
Para aplicação da Peça de Fix.
Frontal p/ Junta RT 002 e RT 003
nos perfis FC 01, 02, 24, 34, 40, 44 e 47
Material: Inox | Acabamento: Inox
290062 PARAFUSO DIN7982
5,5X63 INOX A2



Vidro apoiado nos calços das peças
Glass supported on part shims
Verre posé sur les cales de la pièce
Cortar a peça
Cut the piece | Couper la pièce
Para aplicar com a junta RT 003
290461 PARAFUSO DIN7504
6,3X76 Dmet
205080 PEÇA DE FIXAÇÃO
FRONTAL P/ JUNTA RT 003
290062 PARAFUSO DIN7982
5,5X63INOX A2
Para aplicação da Peça de Fix.
Frontal p/ Junta RT 002 e RT 003
nos perfis FC 01, 02, 24, 34, 40, 44 e 47
Material: Inox | Acabamento: Inox
290062 PARAFUSO DIN7982
5,5X63INOX A2
Cortar a peça
Cut the piece | Couper la pièce

MONTAGEM DOS PERFIS

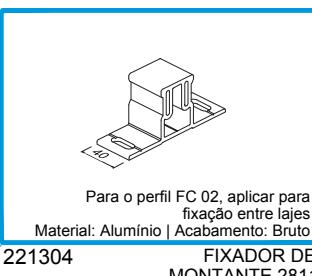
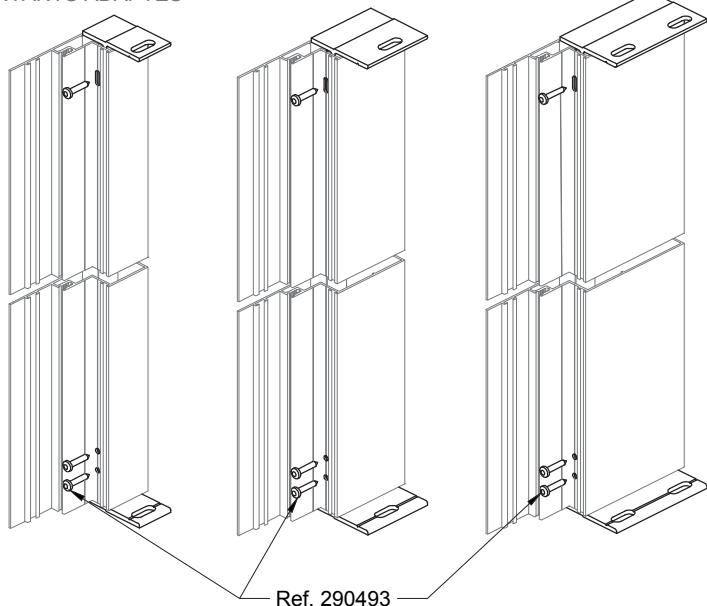
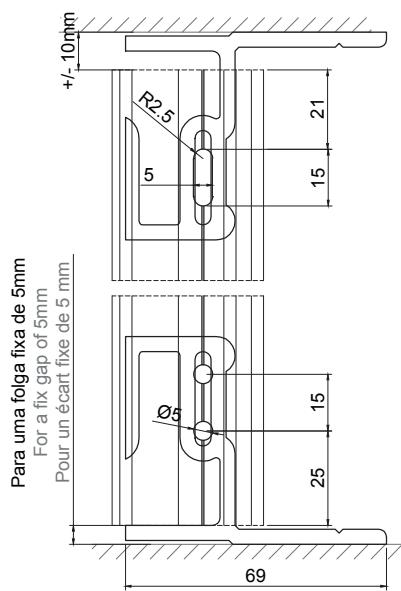
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

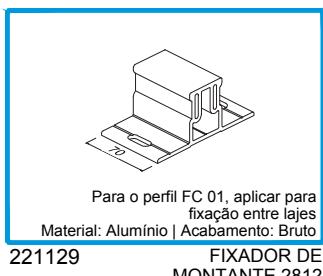
FURAÇÃO DOS MONTANTES PARA PEÇAS FIXADORES DE MONTANTE ADAPTADAS

MULLIONS DRILLING FOR THE ADAPTED MULLION FIXERS

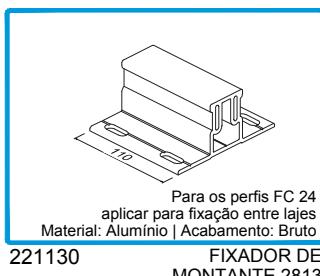
PERÇAGE DES MONTANTS POUR DES FIXATEURS DES MONTANTS ADAPTÉS



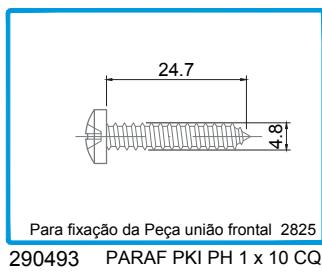
221304 FIXADOR DE MONTANTE 2811
Para o perfil FC 02, aplicar para fixação entre lajes
Material: Alumínio | Acabamento: Bruto



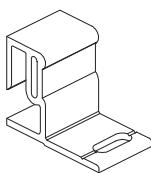
221129 FIXADOR DE MONTANTE 2812
Para o perfil FC 01, aplicar para fixação entre lajes
Material: Alumínio | Acabamento: Bruto



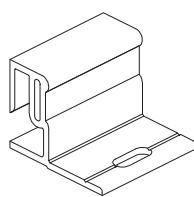
221130 FIXADOR DE MONTANTE 2813
Para os perfis FC 24
aplicar para fixação entre lajes
Material: Alumínio | Acabamento: Bruto



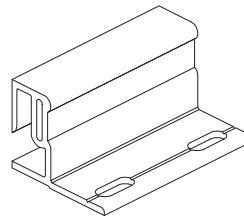
290493 PARAF PKI PH 1 x 10 CQ
Para fixação da Peça união frontal 2825



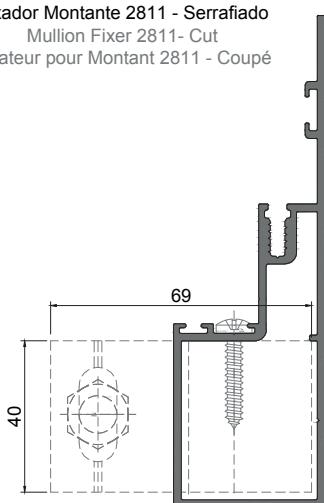
Fixador Montante 2811 - Serrafado
Mullion Fixer 2811 - Cut
Fixateur pour Montant 2811 - Coupé



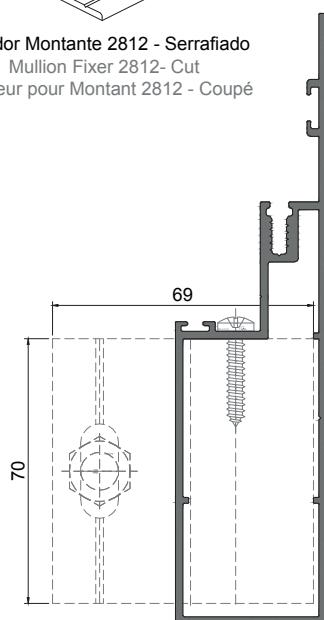
Fixador Montante 2812 - Serrafado
Mullion Fixer 2812 - Cut
Fixateur pour Montant 2812 - Coupé



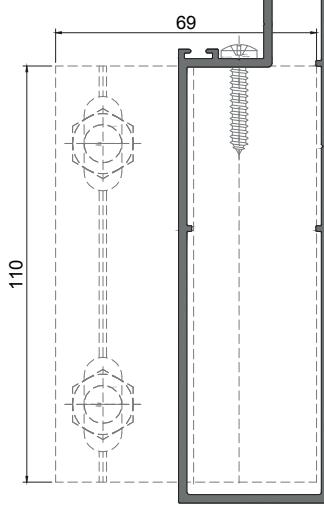
Fixador Montante 2813 - Serrafado
Mullion Fixer 2813 - Cut
Fixateur pour Montant 2813 - Coupé



FC 81



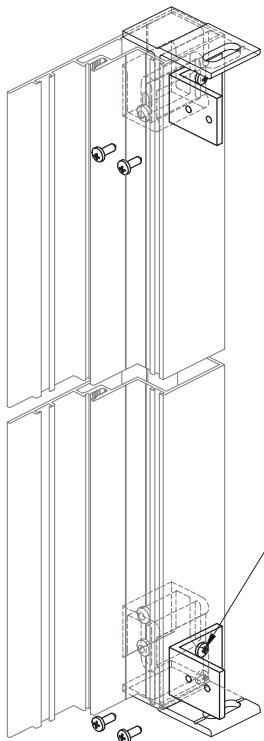
FC 82



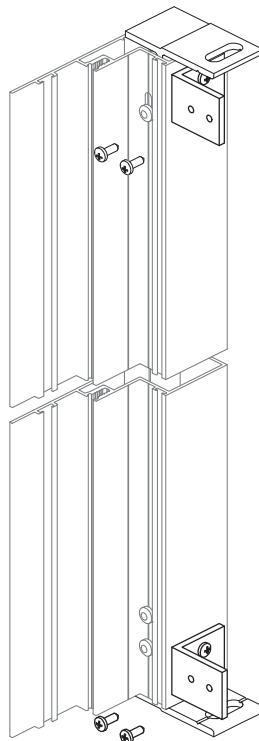
FC 83

MONTAGEM DOS PERFIS
PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS

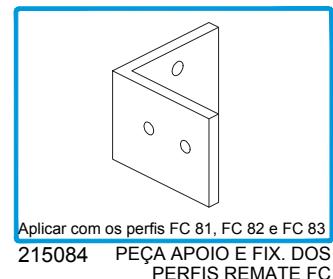
FURAÇÃO DO MONTANTE FC 81 PARA LIGAÇÃO A 90° COM A PEÇA DE APOIO
FC 81 MULLION DRILLING FOR 90° CONNECTION WITH THE SUPPORT PART
PERÇAGE DU MONTANT FC 81 POUR LE CONNEXION À 90° AVEC LA PIÈCE DE SUPPORT



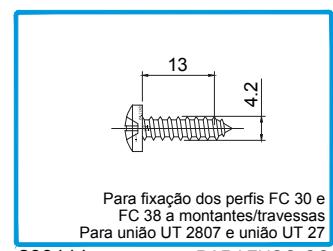
Parafuso | Screw | Vis
CQ 4,2x13 INOX A2



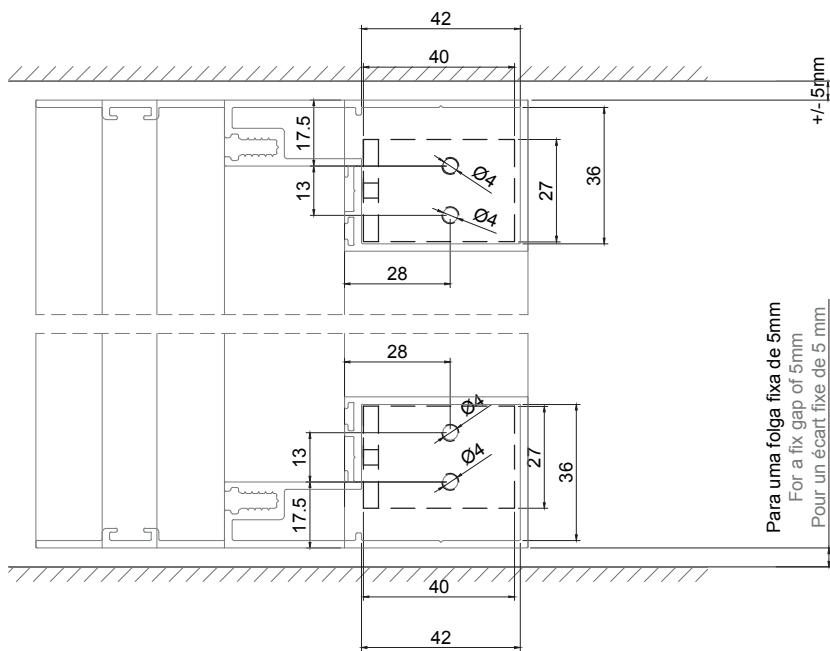
Parafuso | Screw | Vis
CQ 4,2x13 INOX A2



Aplicar com os perfis FC 81, FC 82 e FC 83
215084 PEÇA APOIO E FIX. DOS
PERFIS REMATE FC



Para fixação dos perfis FC 30 e
FC 38 a montantes/travessas
Para união UT 2807 e união UT 27
290111 PARAFUSO CQ
4,2X13 INOX A2



Para uma folga fixa de 5mm
For a fix gap of 5mm
Pour un écart fixe de 5 mm

MONTAGEM DOS PERFIS

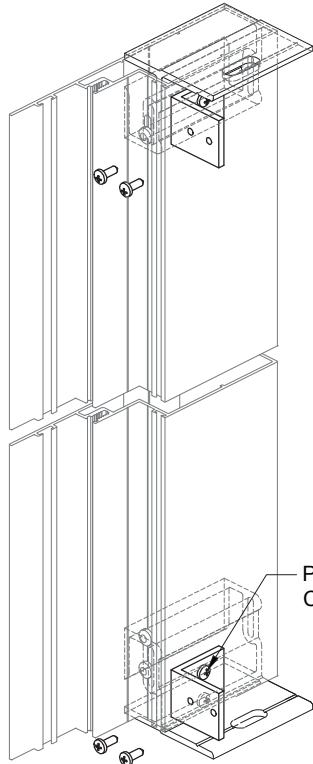
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

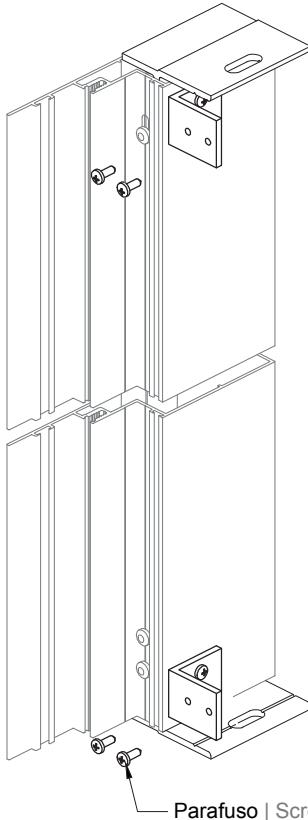
FURAÇÃO DO MONTANTE FC 82 PARA LIGAÇÃO A 90° COM A PEÇA DE APOIO

FC 82 MILLION DRILLING FOR 90° CONNECTION WITH THE SUPPORT PART

PERÇAGE DU MONTANT FC 82 POUR LE CONNEXION À 90° AVEC LA PIÈCE DE SUPPORT



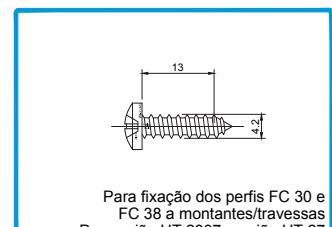
Parafuso | Screw | Vis
CQ 4,2x13 INOX A2



Parafuso | Screw | Vis
CQ 4,2x13 INOX A2

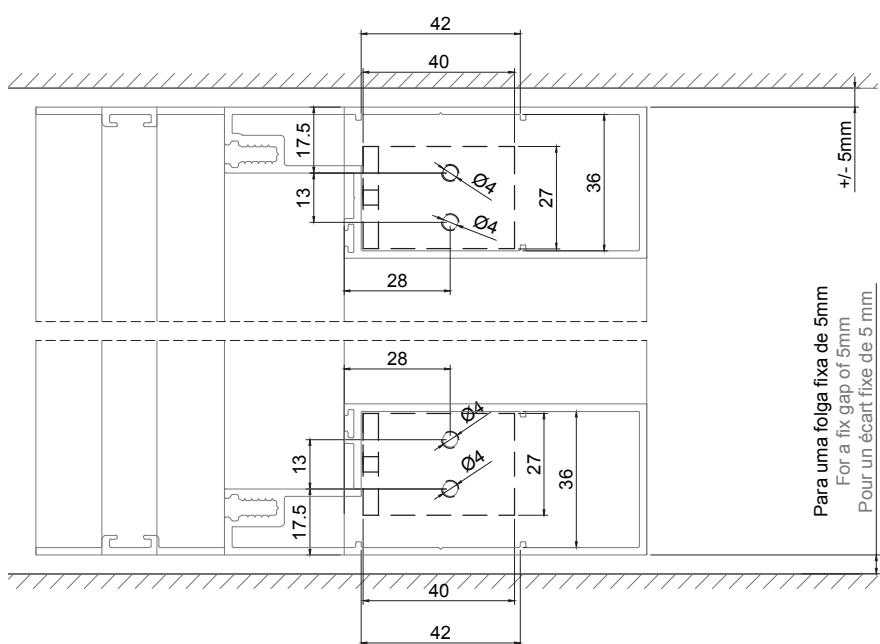


Aplicar com os perfis FC 81, FC 82 e FC 83
215084 PEÇA APOIO E FIX. DOS
PERFIS REMATE FC



Para fixação dos perfis FC 30 e
FC 38 a montantes/travessas
Para união UT 2807 e união UT 27

290111 PARAFUSO CQ
4,2X13 INOX A2



Para uma folga fixa de 5mm
For a fix gap of 5mm
Pour un écart fixe de 5 mm

MONTAGEM DOS PERFIS

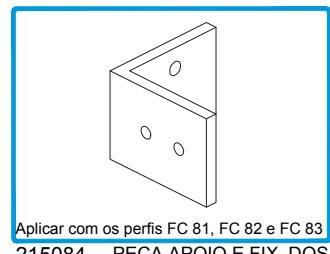
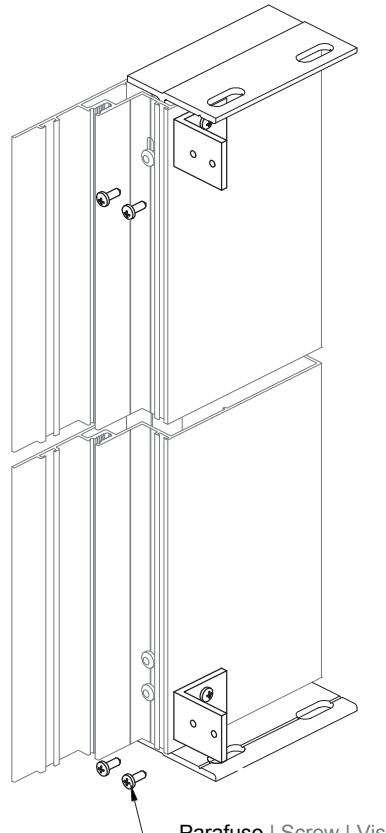
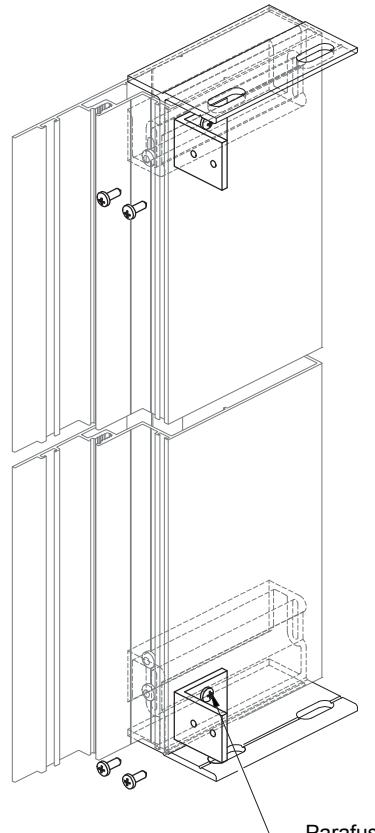
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

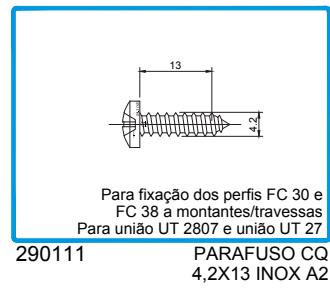
FURAÇÃO DO MONTANTE FC 83 PARA LIGAÇÃO A 90° COM A PEÇA DE APOIO

FC 83 MULLION DRILLING FOR 90° CONNECTION WITH THE SUPPORT PART

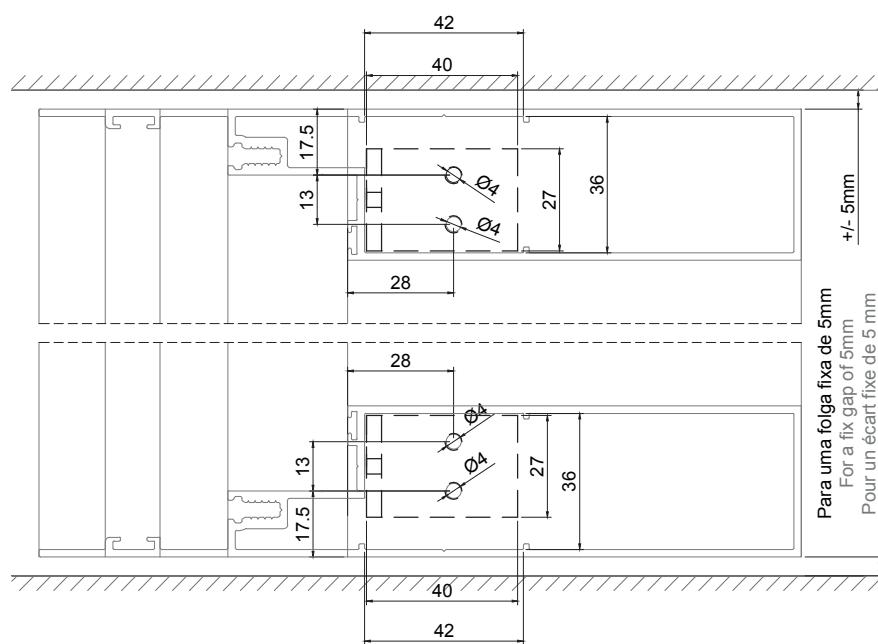
PERÇAGE DU MONTANT FC 83 POUR LE CONNEXION À 90° AVEC LA PIÈCE DE SUPPORT



Aplicar com os perfis FC 81, FC 82 e FC 83
215084 PEÇA APOIO E FIX. DOS
PERFIS REMATE FC



Para fixação dos perfis FC 30 e
FC 38 a montantes/travessas
Para união UT 2807 e união UT 27
290111 PARAFUSO CQ
4,2X13 INOX A2



MONTAGEM DOS PERFIS

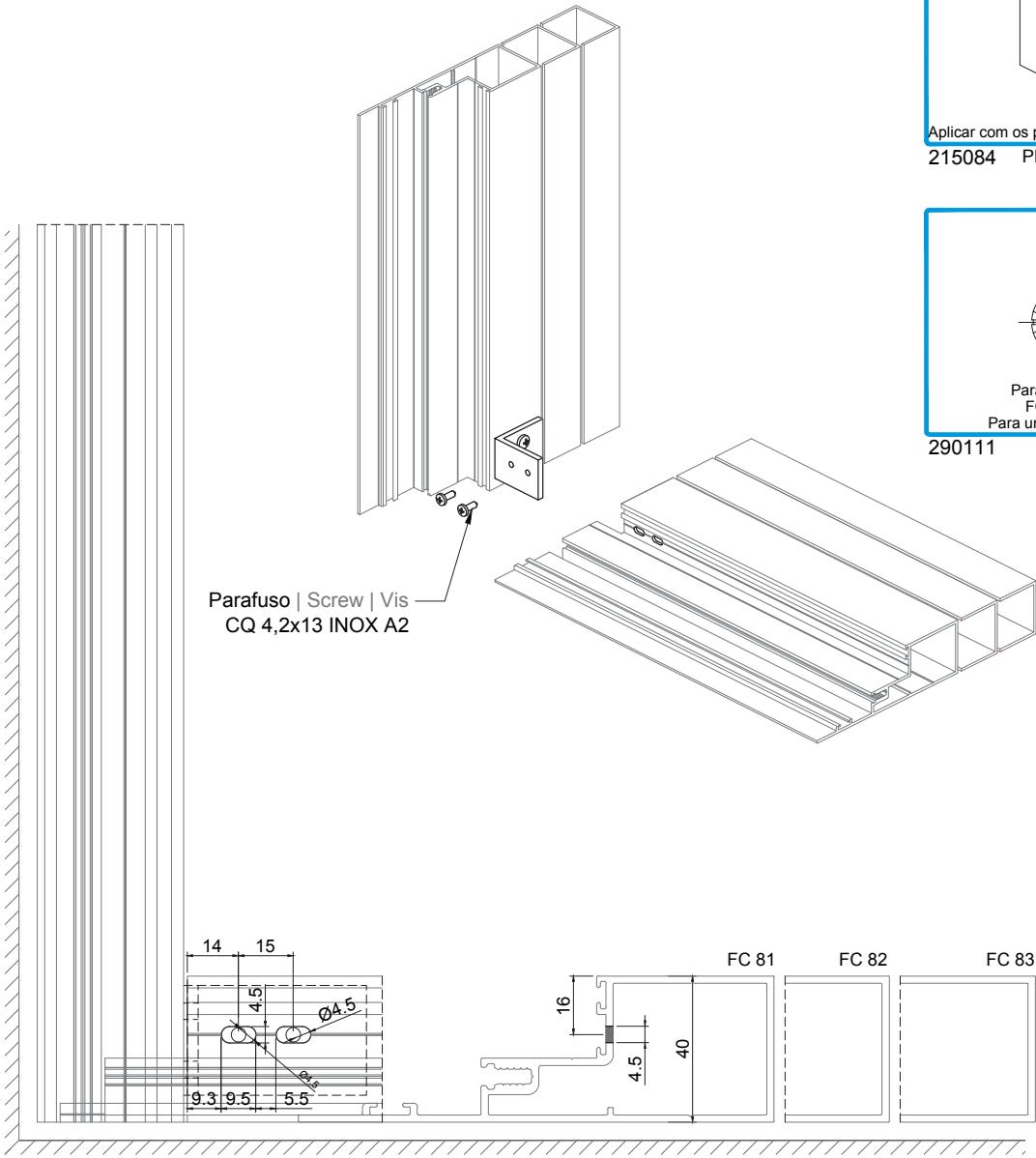
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FURAÇÃO DA TRAVESSA PARA LIGAÇÃO A 90° COM A PEÇA DE APOIO

TRANSOM DRILLING FOR 90° CONNECTION WITH THE SUPPORT PART

PERÇAGE DU TRAVERSE POUR LE CONNEXION À 90° AVEC LA PIÈCE DE SUPPORT



MONTAGEM DOS PERFIS

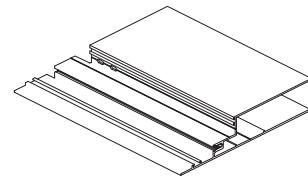
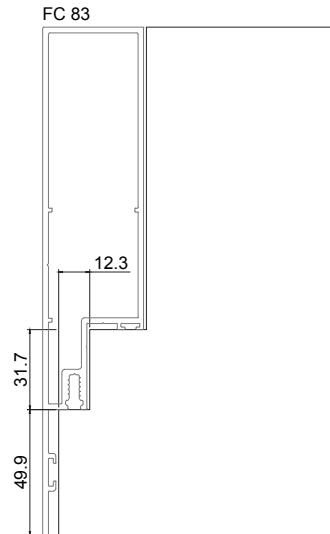
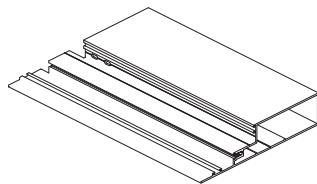
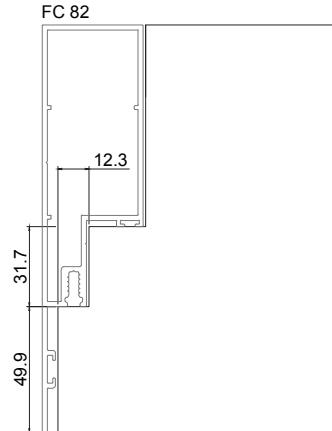
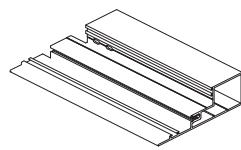
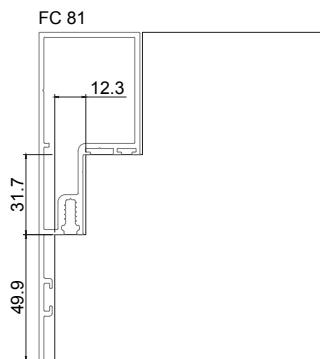
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

MAQUINAÇÃO DAS TRAVESSAS FC 81, FC 82 E FC 83 PARA LIGAÇÃO A 90°

FC 81, FC 82 AND FC 83 TRANSOMS MACHINING FOR 90° CONNECTION

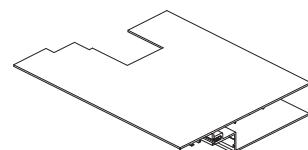
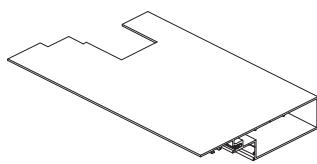
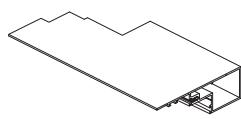
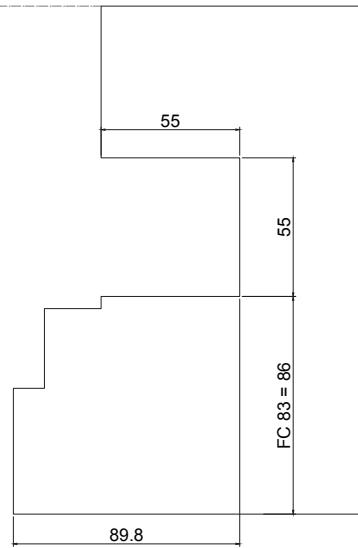
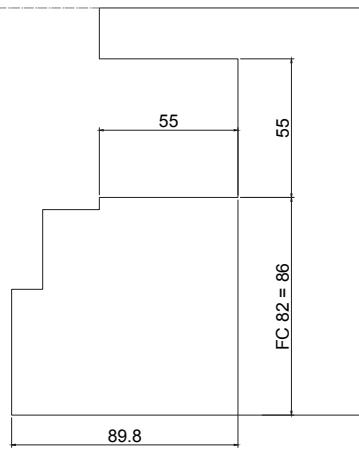
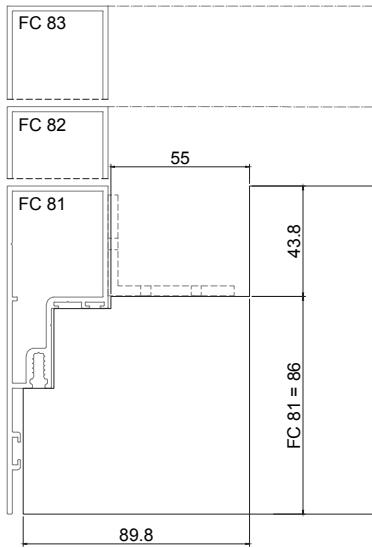
USINAGE DES TRAVERSES FC 81, FC 82 ET FC 83 POUR LE CONNEXION À 90°



MAQUINAÇÃO DAS TRAVESSAS FC 81, FC 82 E FC 83 PARA LIGAÇÃO A 90° PARA APLICAÇÃO DA TRAVESSA NA PEÇA DE APOIO

FC 81, FC 82 AND FC 83 TRANSOMS MACHINING FOR 90° CONNECTION FOR TRANSOM APPLICATION TO THE SUPPORT PART

USINAGE DES TRAVERSES FC 81, FC 82 ET FC 83 POUR LE CONNEXION À 90° POUR L'APPLICATION DES TRAVERSES SUR LA PIÈCE DE SUPPORT



MONTAGEM DOS PERFIS

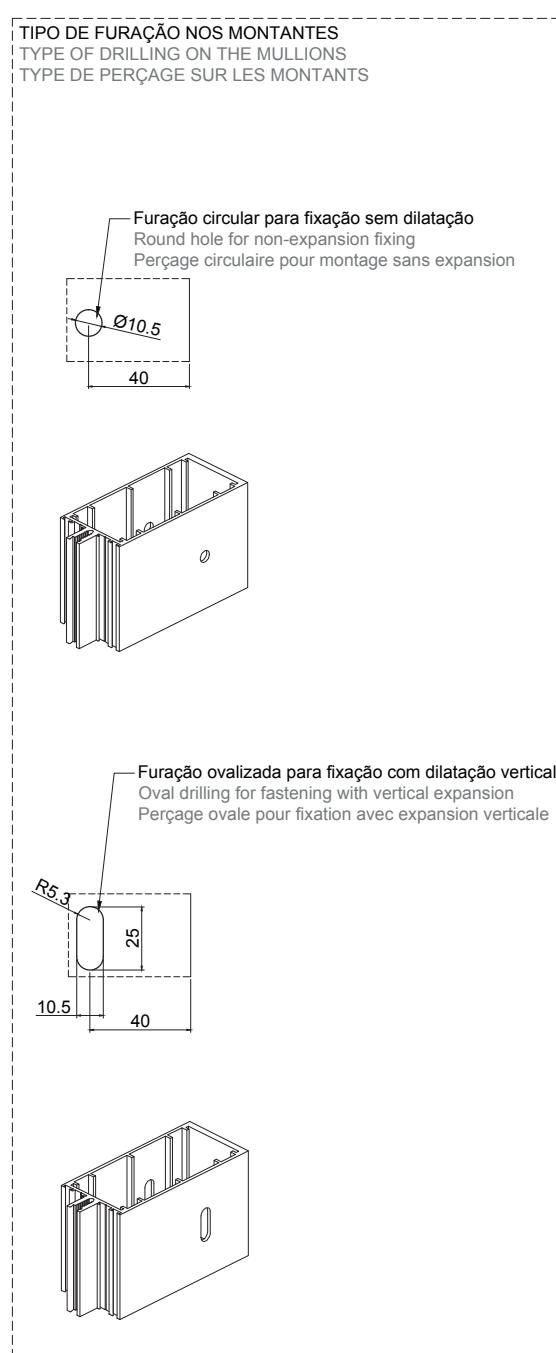
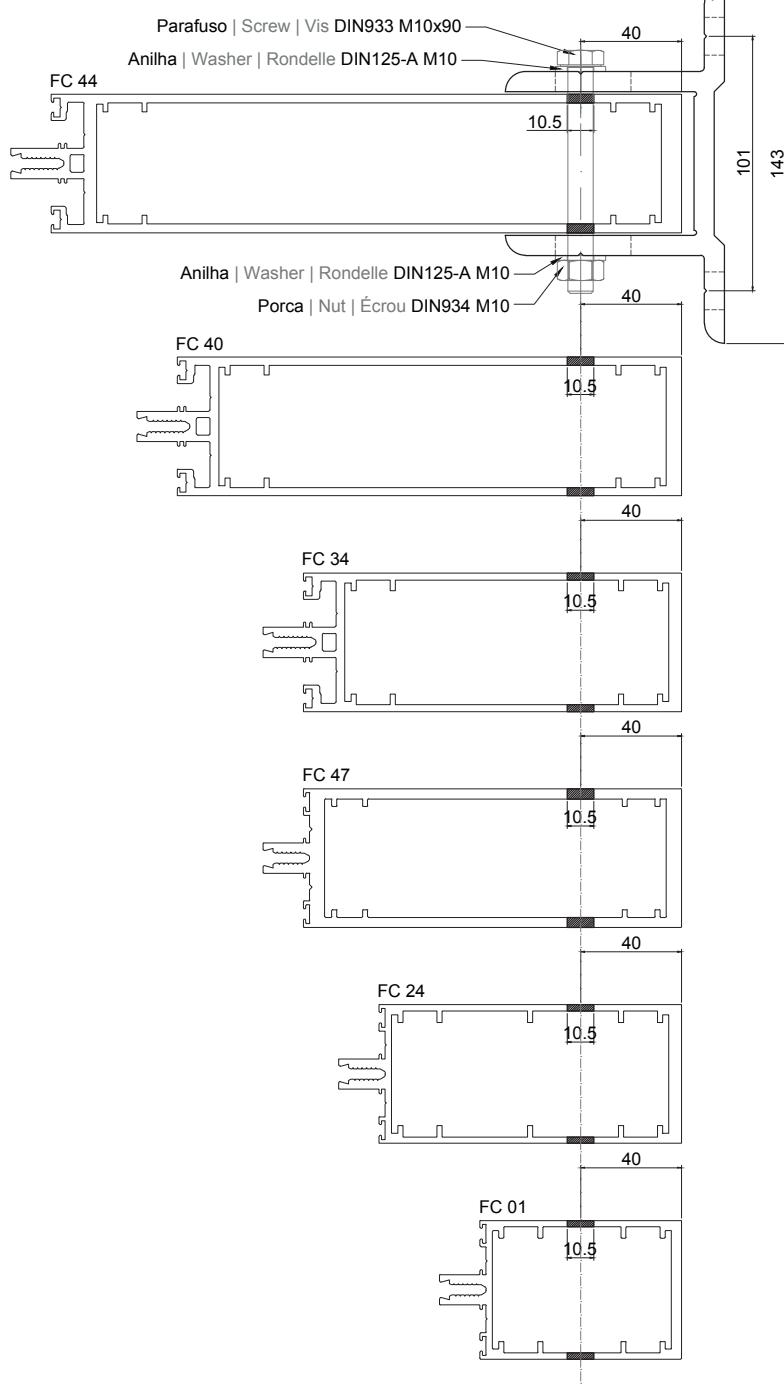
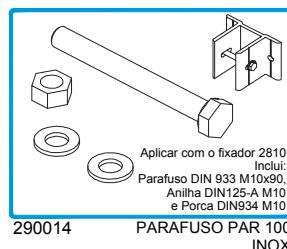
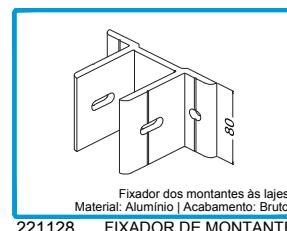
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES COM O FIXADOR DE MONTANTE 2810

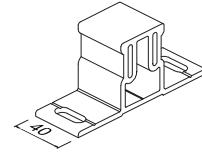
MULLIONS FASTENING WITH THE MULLION FIXER 2810

FIXATION DES MONTANTS AVEC LE FIXATEUR DE MONTANT 2810



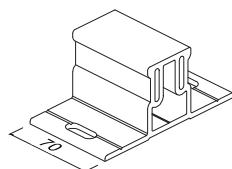
MONTAGEM DOS PERFIS
PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS

FIXADORES PARA MONTANTES
MULLIONS FIXERS
FIXATEURS DES MONTANTS



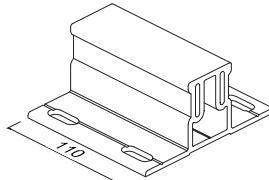
Para o perfil FC 02, aplicar para fixação entre lajes
Material: Alumínio | Acabamento: Bruto

221304 FIXADOR DE MONTANTE 2811



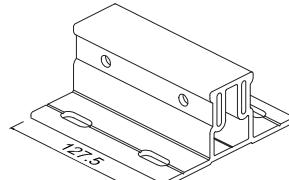
Para o perfil FC 01, aplicar para fixação entre lajes
Material: Alumínio | Acabamento: Bruto

221129 FIXADOR DE MONTANTE 2812



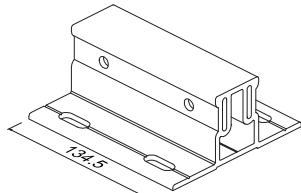
Para os perfis FC 24
aplicar para fixação entre lajes
Material: Alumínio | Acabamento: Bruto

221130 FIXADOR DE MONTANTE 2813



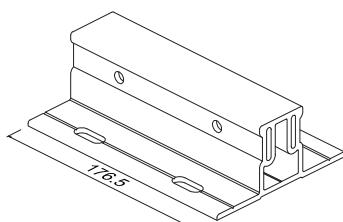
Aplicar no perfil FC 34
Material: alumínio
Acabamentos: bruto

221125 FIXADOR DE MONTANTE FC 34



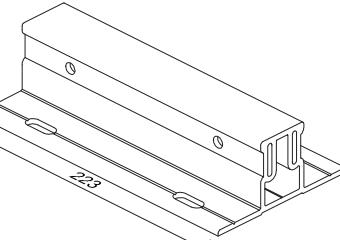
Aplicar no perfil FC 47
Material: alumínio
Acabamentos: bruto

221133 FIXADOR DE MONTANTE FC 47



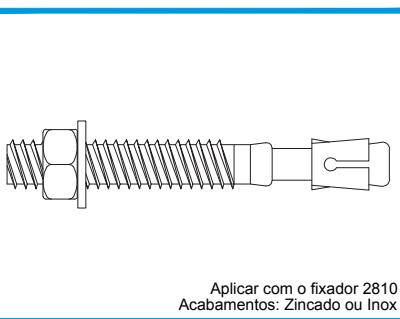
Aplicar no perfil FC 40
Material: alumínio
Acabamentos: bruto

221126 FIXADOR DE MONTANTE FC 40



Aplicar no perfil FC 44
Material: alumínio
Acabamentos: bruto

221127 FIXADOR DE MONTANTE FC 44



Aplicar com o fixador 2810
Acabamentos: Zinco ou Inox

218124 BUCHA SEGMENTADA M8x75 PAR 101

Para fixador: | For fixer: | Pour le fixateur:

- 2812 --> 2 Buchas | 2 Expansion anchor | 2 goujon à expansion
- 2813 --> 4 Buchas | 4 Expansion anchor | 4 goujon à expansion
- FC 34 --> 4 Buchas | 4 Expansion anchor | 4 goujon à expansion
- FC 47 --> 4 Buchas | 4 Expansion anchor | 4 goujon à expansion
- FC 40 --> 4 Buchas | 4 Expansion anchor | 4 goujon à expansion
- FC 44 --> 4 Buchas | 4 Expansion anchor | 4 goujon à expansion

Nota | Note | Remarque:

O tipo de ancoragem irá depender do tipo de material existente em obra.

Não dispensa de uma consulta nos fornecedores da especialidade.

The type of anchoring will depend on the type of material on the construction .

It does not exempt consulting in the suppliers of the specialty.

Le type d'ancrage dépendra du type de matériau sur le chantier.

Elle ne dispense pas d'une consultation auprès de fournisseurs spécialisés.

MONTAGEM DOS PERFIS

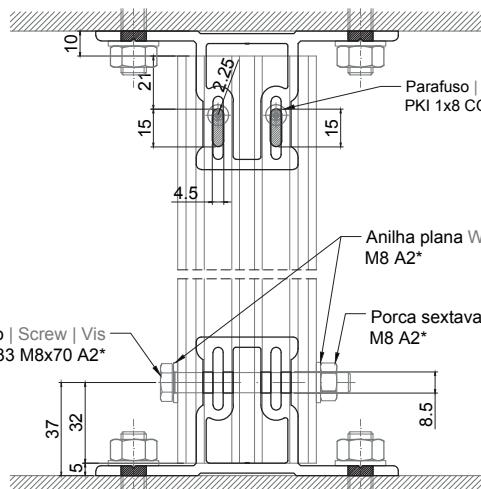
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 02 COM OS FIXADORES SUPERIORES E INFERIORES

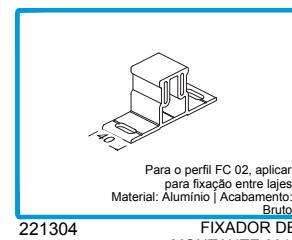
FC 02 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

FIXATION DES MONTANTS FC 02 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES



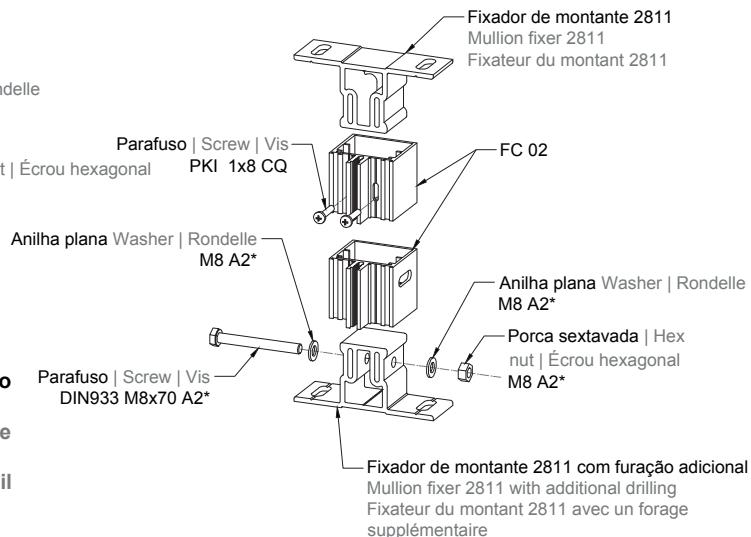
***Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente**

All hexagonal items to be used in the detail are suggestive and should be provided by the customer
Tous les éléments hexagonaux à utiliser dans le détail sont suggestifs et doivent être fournis par le client



Para o perfil FC 02, aplicar para fixação entre lajes.
Material: Alumínio | Acabamento: Bruto

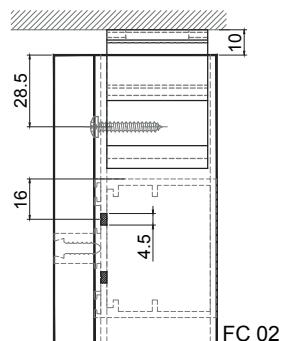
221304
FIXADOR DE MONTANTE 2811



Peça superior da fixação do montante

Upper part of the mullion fixing

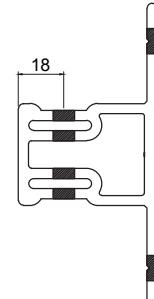
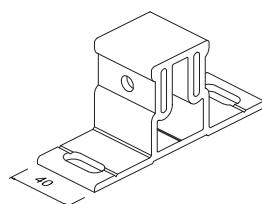
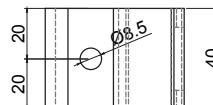
Pièce supérieure de la fixation du montant



Furação adicional no Fixador 2811 para a aplicação inferior

Additional hole in Fixer 2811 for bottom application

Trou supplémentaire dans le Fixateur 2811 pour l'application en bas



Peça inferior da fixação do montante

Lower part of the mullion fixing

Pièce inférieure de la fixation du montant

MONTAGEM DOS PERFIS

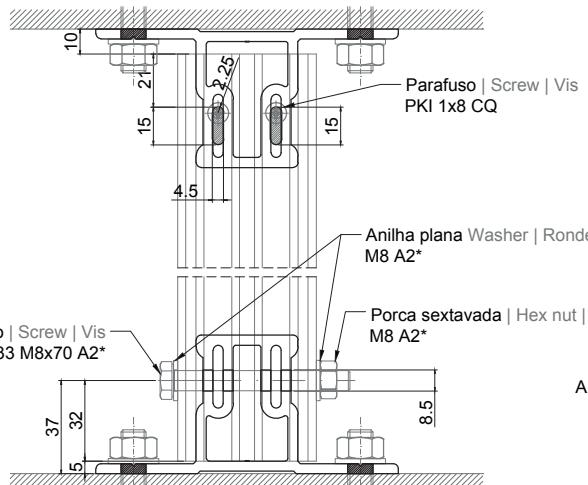
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 01 COM OS FIXADORES SUPERIORES E INFERIORES

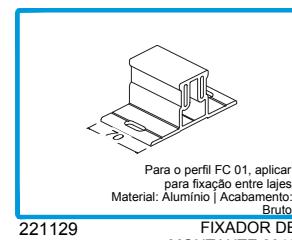
FC 01 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

FIXATION DES MONTANTS FC 01 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES

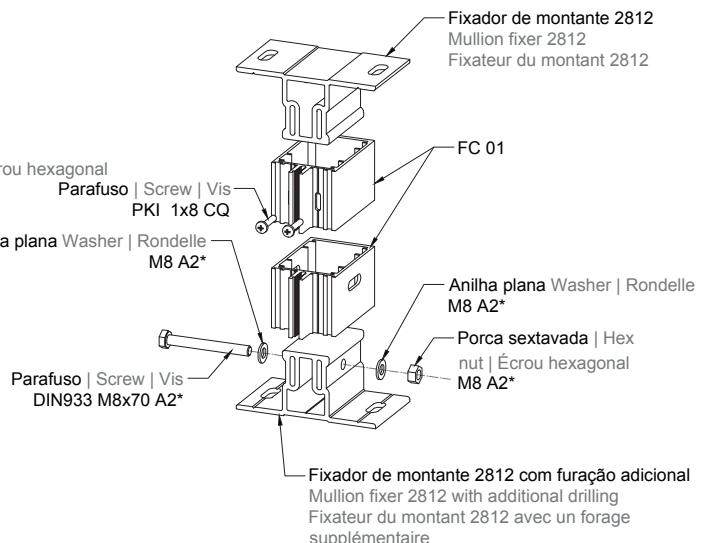


*Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente

All hexagonal items to be used in the detail are suggestive and should be provided by the customer
Tous les éléments hexagonaux à utiliser dans le détail sont suggestifs et doivent être fournis par le client



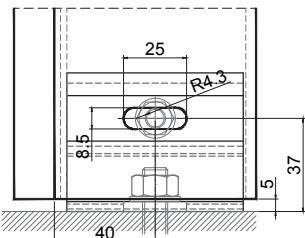
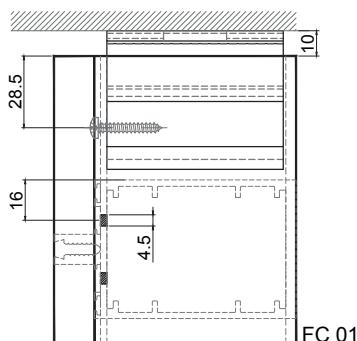
221129 FIXADOR DE MONTANTE 2812



Peça superior da fixação do montante

Upper part of the mullion fixing

Pièce supérieure de la fixation du montant



Peça inferior da fixação do montante

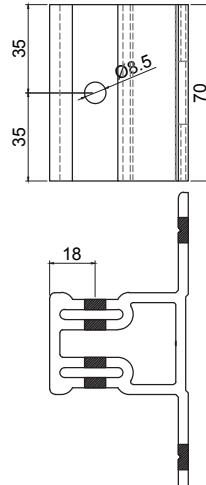
Lower part of the mullion fixing

Pièce inférieure de la fixation du montant

Furação adicional no Fixador 2812 para a aplicação inferior

Additional hole in Fixer 2812 for bottom application

Trou supplémentaire dans le Fixateur 2812 pour l'application en bas



MONTAGEM DOS PERFIS

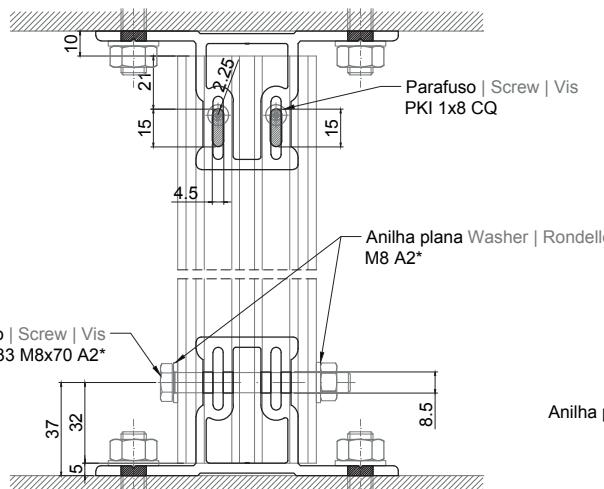
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 24 COM OS FIXADORES SUPERIORES E INFERIORES

FC 24 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

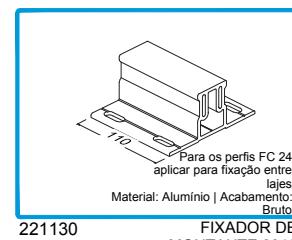
FIXATION DES MONTANTS FC 24 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES



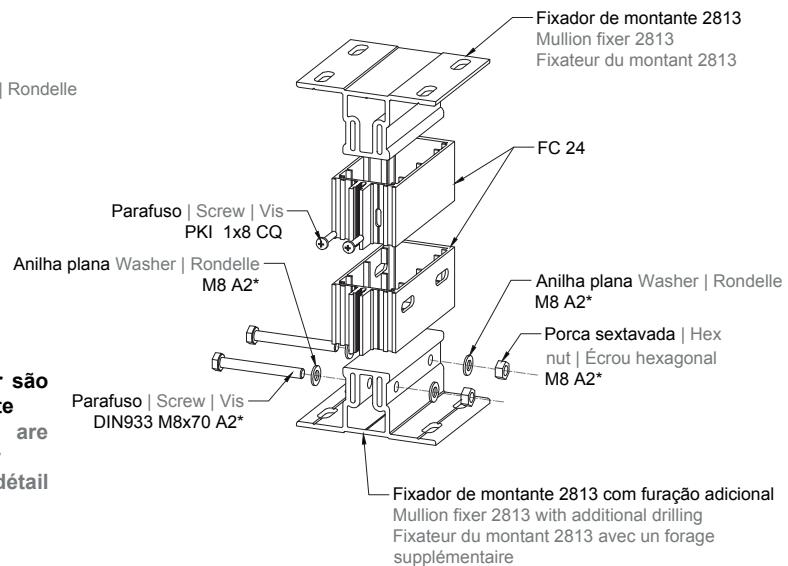
***Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente**

All hexagonal items to be used in the detail are suggestive and should be provided by the customer

Tous les éléments hexagonaux à utiliser dans le détail sont suggestifs et doivent être fournis par le client



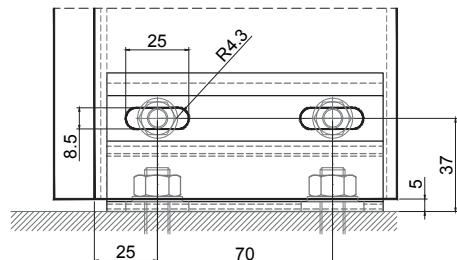
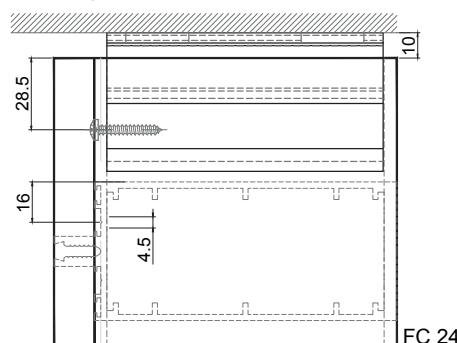
221130 FIXADOR DE MONTANTE 2813



Peça superior da fixação do montante

Upper part of the mullion fixing

Pièce supérieure de la fixation du montant



Peça inferior da fixação do montante

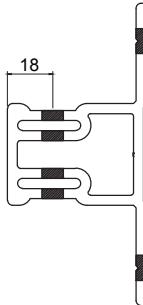
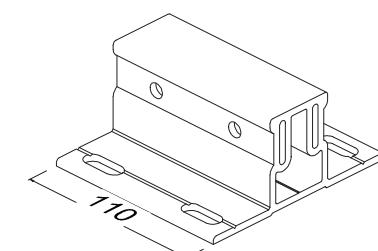
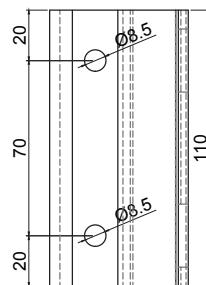
Lower part of the mullion fixing

Pièce inférieure de la fixation du montant

Furação adicional no Fixador 2813 para a aplicação inferior

Additional hole in Fixer 2813 for bottom application

Trou supplémentaire dans le Fixateur 2813 pour l'application en bas



MONTAGEM DOS PERFIS

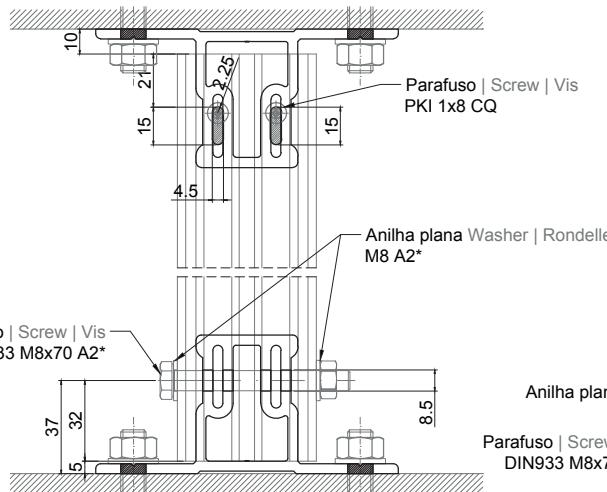
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 34 COM OS FIXADORES SUPERIORES E INFERIORES

FC 34 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

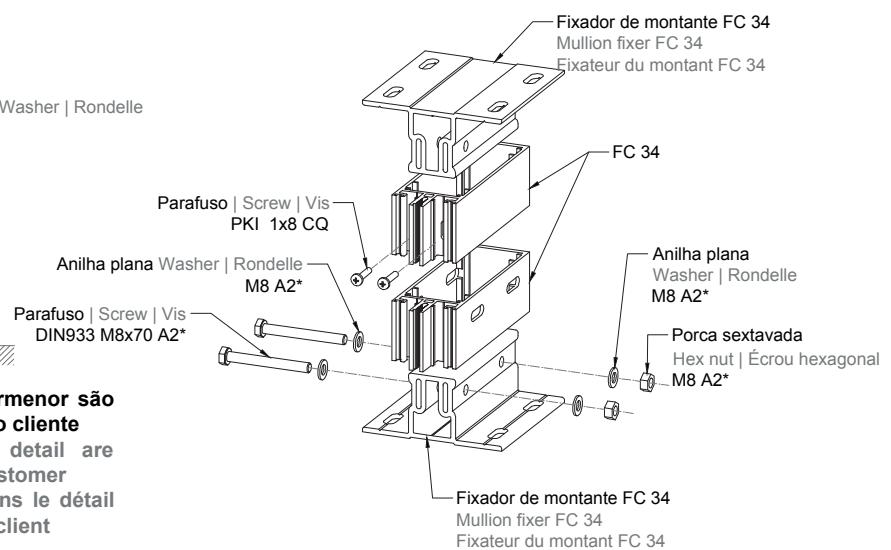
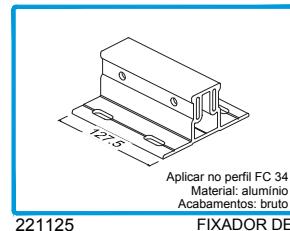
FIXATION DES MONTANTS FC 34 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES



*Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente

All hexagonal items to be used in the detail are suggestive and should be provided by the customer

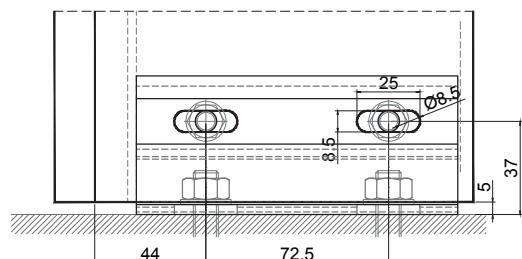
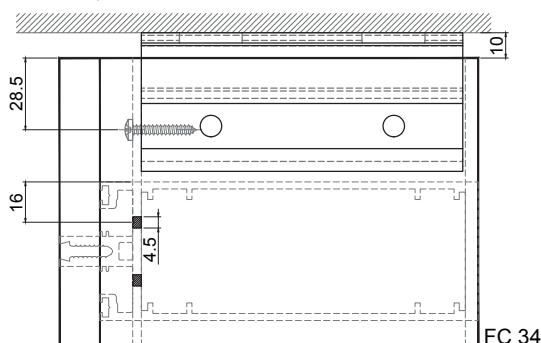
Tous les éléments hexagonaux à utiliser dans le détail sont suggestifs et doivent être fournis par le client



Peça superior da fixação do montante

Upper part of the mullion fixing

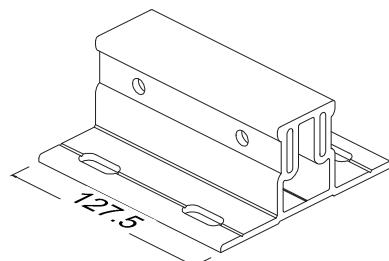
Pièce supérieure de la fixation du montant



Peça inferior da fixação do montante

Lower part of the mullion fixing

Pièce inférieure de la fixation du montant



MONTAGEM DOS PERFIS

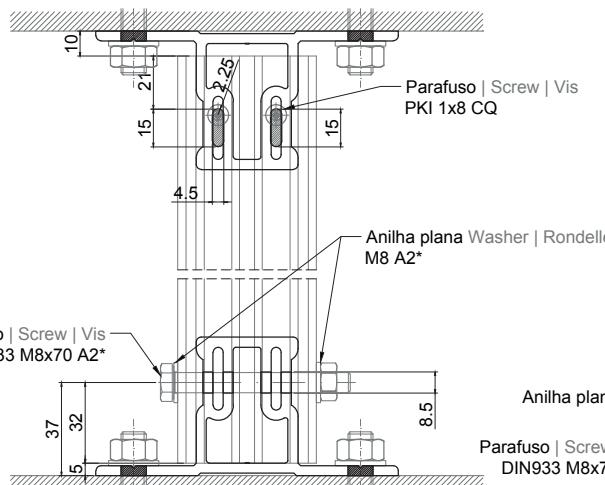
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 47 COM OS FIXADORES SUPERIORES E INFERIORES

FC 47 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

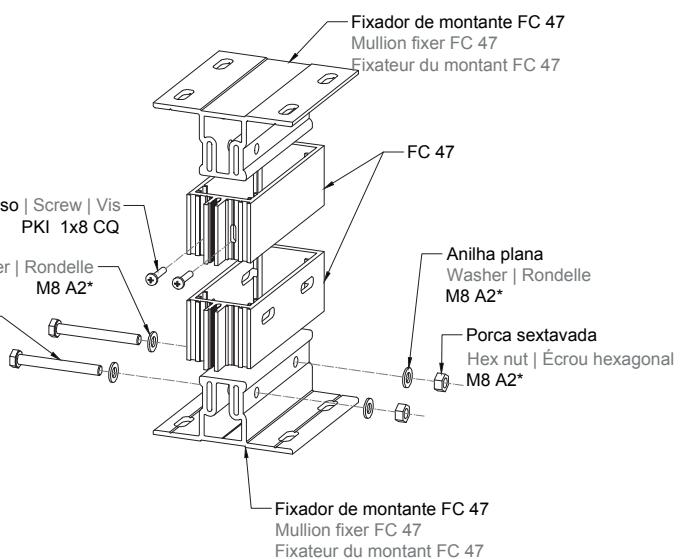
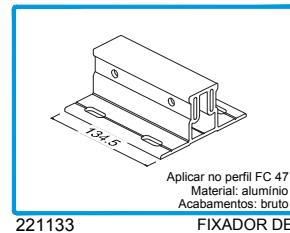
FIXATION DES MONTANTS FC 47 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES



*Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente

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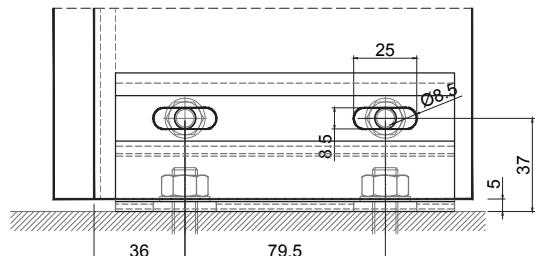
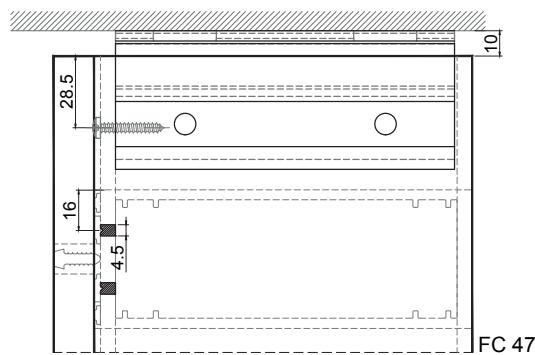
Tous les éléments hexagonaux à utiliser dans le détail sont suggestifs et doivent être fournis par le client



Peça superior da fixação do montante

Upper part of the mullion fixing

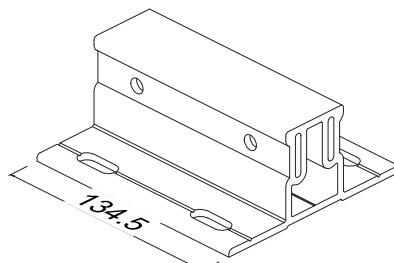
Pièce supérieure de la fixation du montant



Peça inferior da fixação do montante

Lower part of the mullion fixing

Pièce inférieure de la fixation du montant



MONTAGEM DOS PERFIS

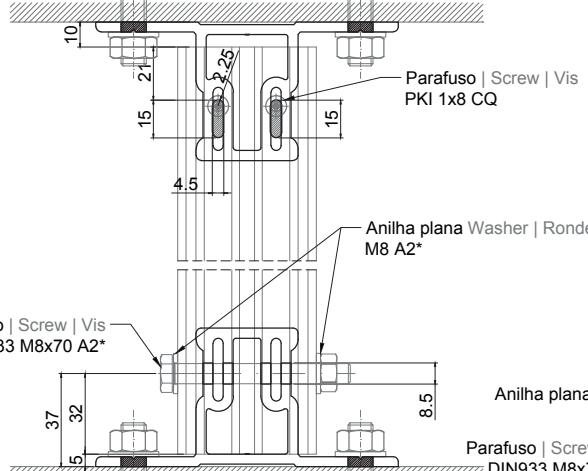
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 40 COM OS FIXADORES SUPERIORES E INFERIORES

FC 40 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

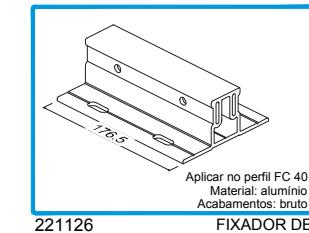
FIXATION DES MONTANTS FC 40 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES



***Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente**

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Tous les éléments hexagonaux à utiliser dans le détail sont suggestifs et doivent être fournis par le client

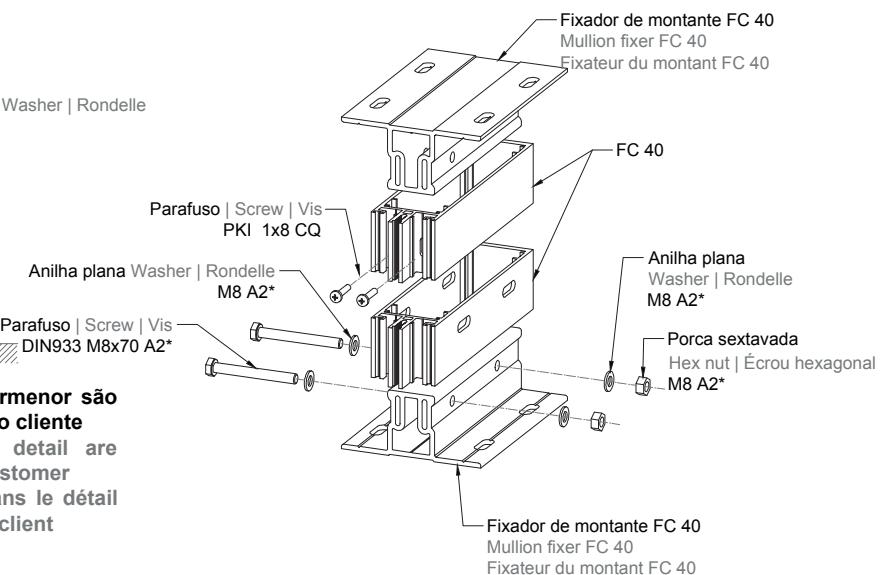


221126 FIXADOR DE

Aplicar no perfil FC 40
Material: alumínio

Acabamentos: bruto

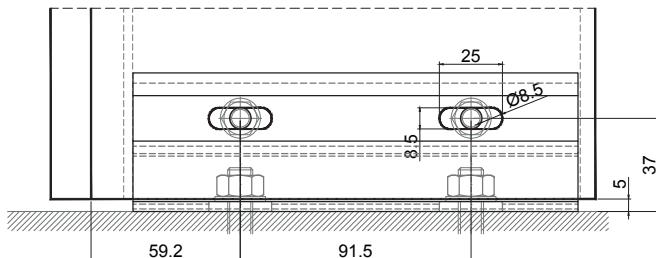
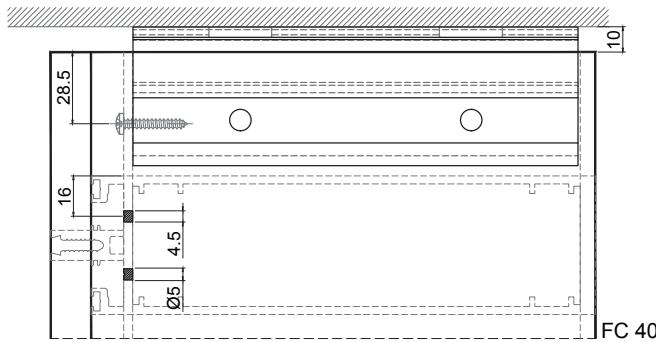
FIXADOR DE MONTANTE FC 40



Peça superior da fixação do montante

Upper part of the mullion fixing

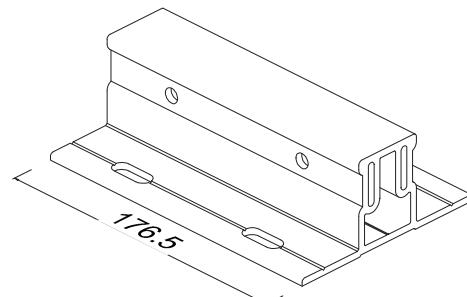
Pièce supérieure de la fixation du montant



Peca inferior da fixação do montante

| peça inferior da fixação do moinho

Lower part of the mullion fixing



MONTAGEM DOS PERFIS

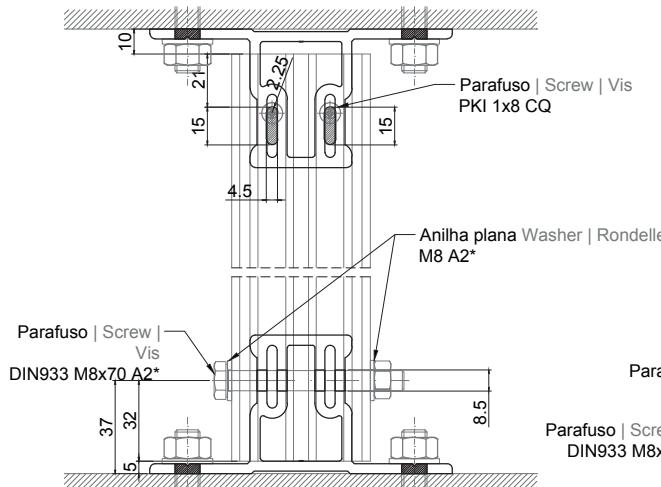
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DOS MONTANTES FC 44 COM OS FIXADORES SUPERIORES E INFERIORES

FC 44 MULLIONS FASTENING WITH THE UPPER AND LOWER FIXERS

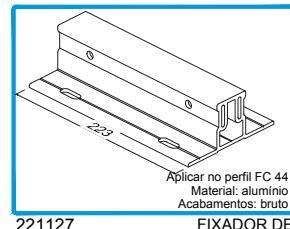
FIXATION DES MONTANTS FC 44 AVEC LES FIXATEURS SUPÉRIEURES ET INFÉRIEURES



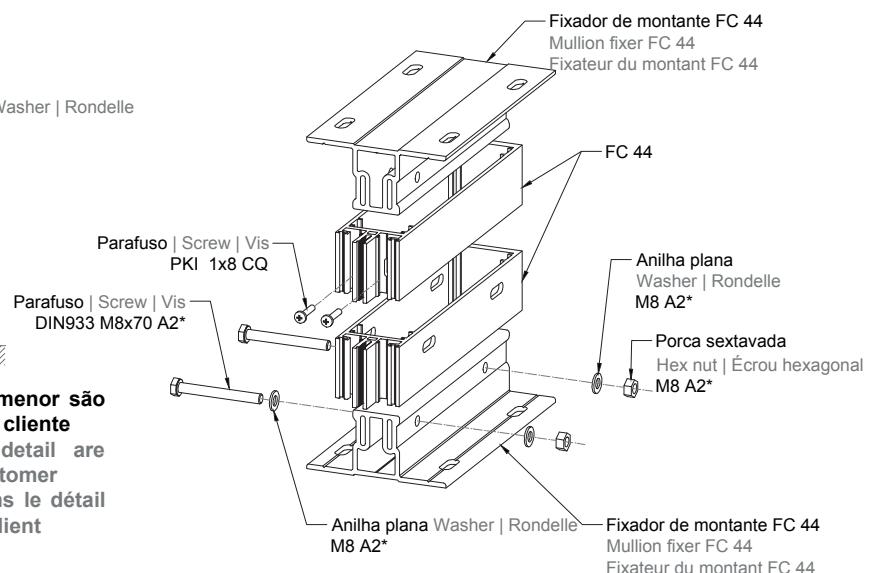
*Todos os artigos sextavados a usar no pormenor são sugestivos e deverão ser providenciados pelo cliente

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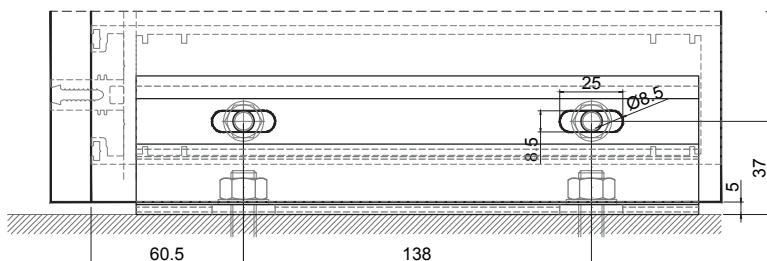
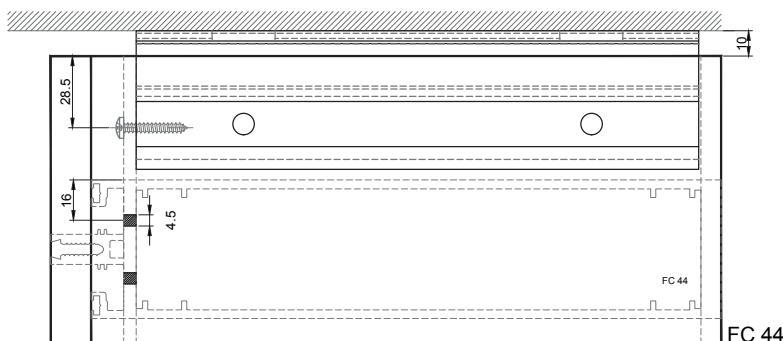
221127
FIXADOR DE MONTANTE FC 44



Peça superior da fixação do montante

Upper part of the mullion fixing

Pièce supérieure de la fixation du montant



Peça inferior da fixação do montante

Lower part of the mullion fixing

Pièce inférieure de la fixation du montant

MONTAGEM DOS PERFIS

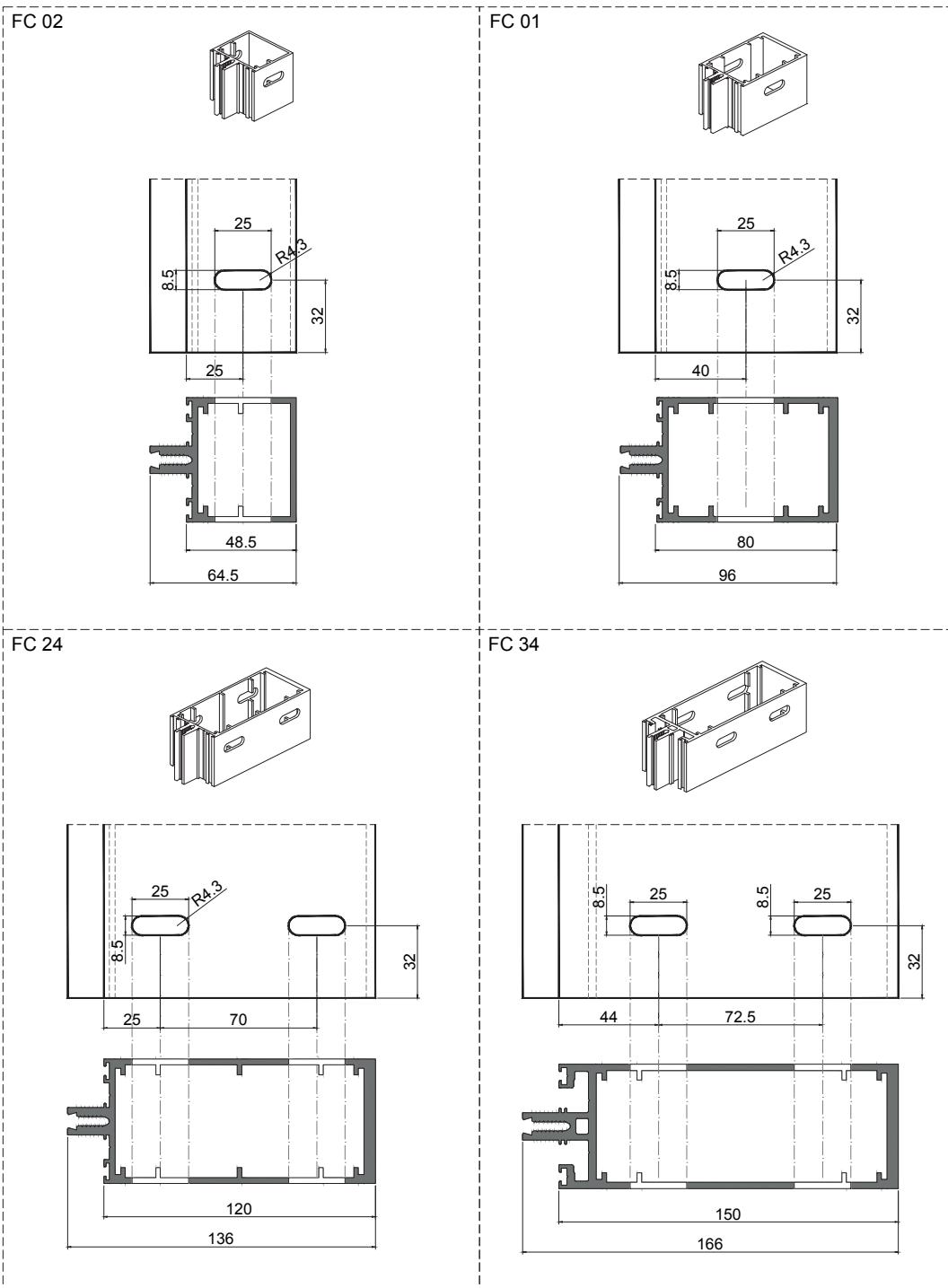
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FRESAGEM INFERIOR DOS MONTANTES - SEM DILATAÇÃO DA FIXAÇÃO INFERIOR

MULLIONS LOWER MILLING - WITHOUT EXPANSION OF THE LOWER FIXING

FRAISAGE INFÉRIEUR DES MONTANTS - PAS D'EXPANSION DE LA FIXATION INFÉRIEURE



MONTAGEM DOS PERFIS

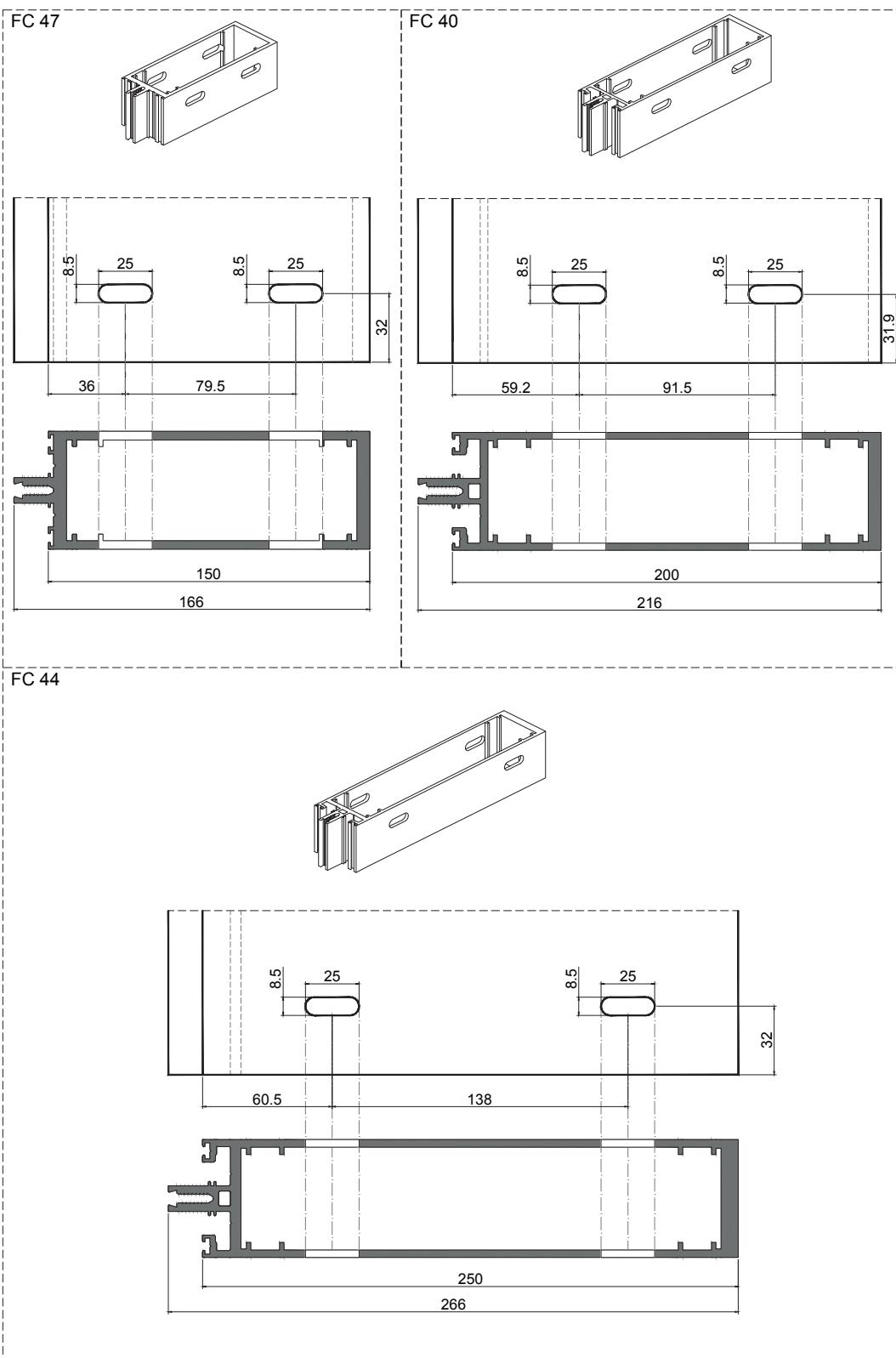
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FRESAGEM INFERIOR DOS MONTANTES - SEM DILATAÇÃO DA FIXAÇÃO INFERIOR

MULLIONS LOWER MILLING - WITHOUT EXPANSION OF THE LOWER FIXING

FRAISAGE INFÉRIEUR DES MONTANTS - PAS D'EXPANSION DE LA FIXATION INFÉRIEURE



MONTAGEM DOS PERFIS

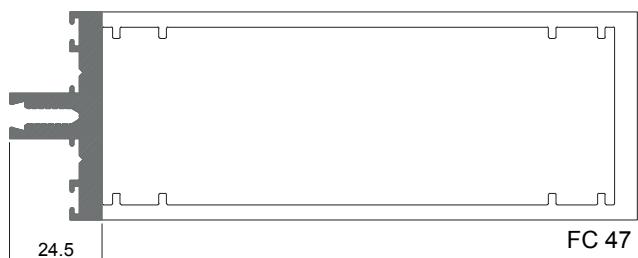
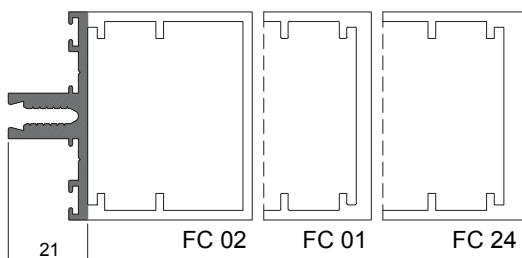
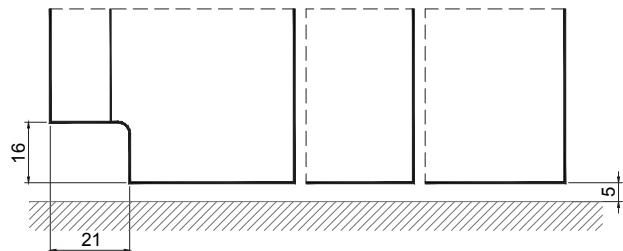
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

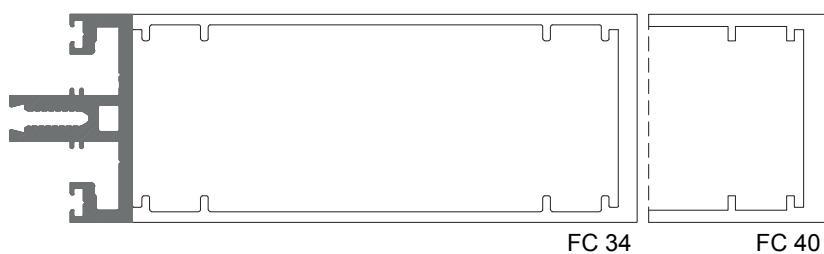
FRESAGEM INFERIOR DOS MONTANTES PARA APPLICAÇÃO DE VEDAÇÃO FRONTAL COM TELA

MULLIONS LOWER MILLING FOR FRONT SEAL APPLICATION WITH SEALING WEB

FRAISAGE INFÉRIEUR DES MONTANTS POUR L'APPLICATION D'ISOLATION FRONTALE AVEC BANDE D'ÉTANCHÉITÉ

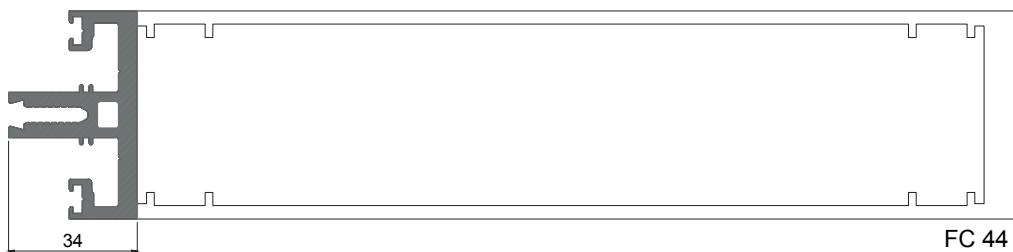


FC 47



FC 34

FC 40



FC 44

MONTAGEM DOS PERFIS

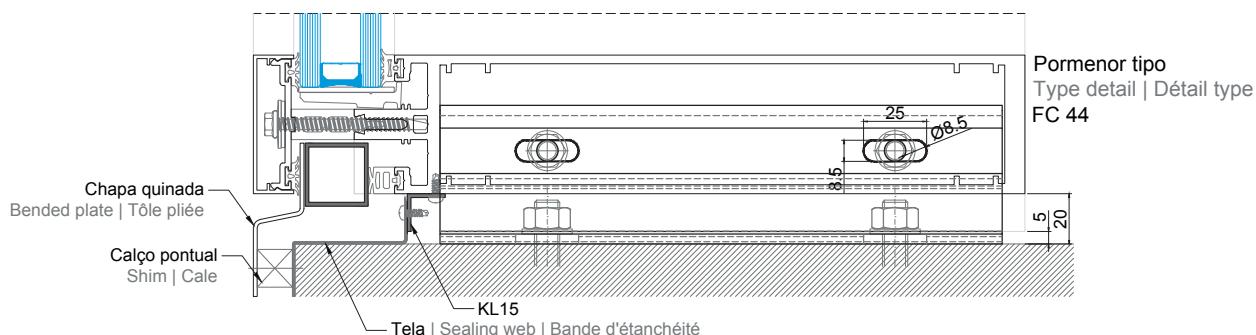
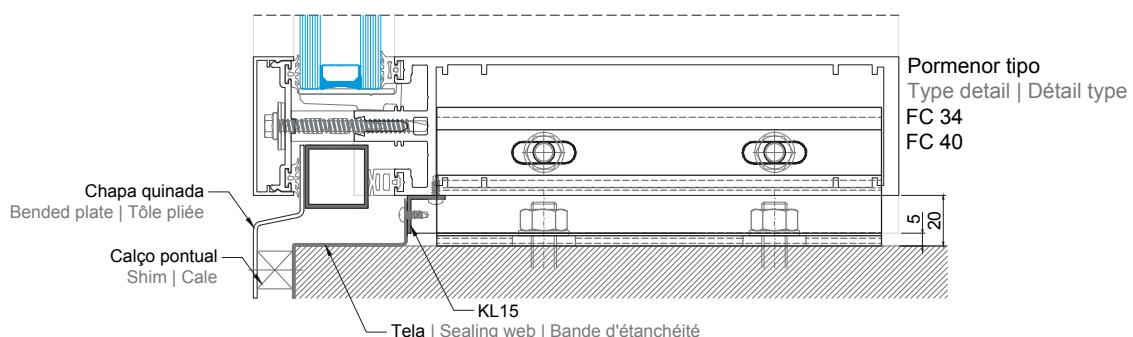
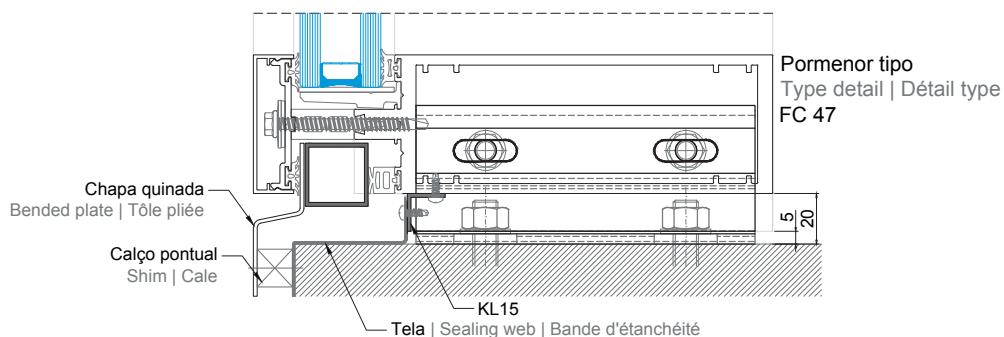
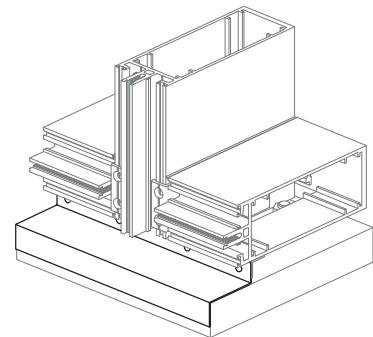
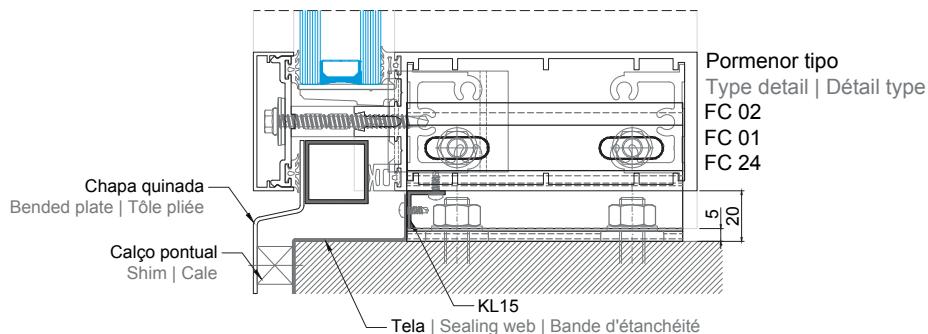
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

APLICAÇÃO DE VEDAÇÃO FRONTAL COM TELA

FRONT SEAL APPLICATION WITH SEALING WEB

APPLICATION D'ISOLATION FRONTALE AVEC BANDE D'ÉTANCHÉITÉ



MONTAGEM DOS PERFIS

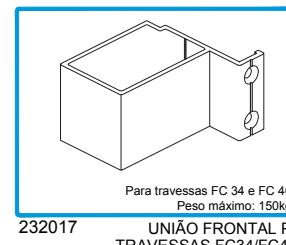
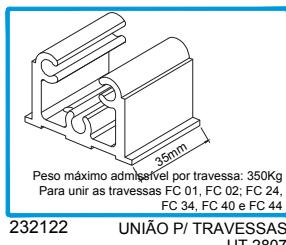
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

TRANSFORMAÇÃO DAS UNIÕES PARA APLICAR NA TRAVESSA REMATE INFERIOR

UNIONS TRANSFORMATION TO APPLY TO THE BOTTOM TRANSOM

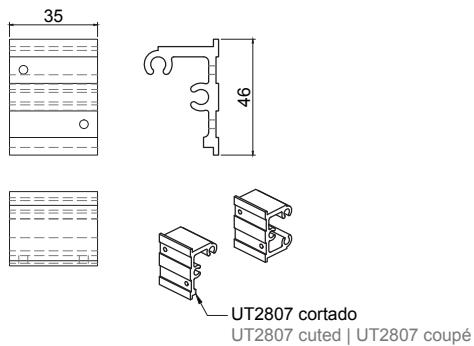
TRANSFORMATION DES UNIONS À APPLIQUER SUR LE TRAVERSE INFÉRIEUR



Transformação da União UT2807

UT2807 Union transformation

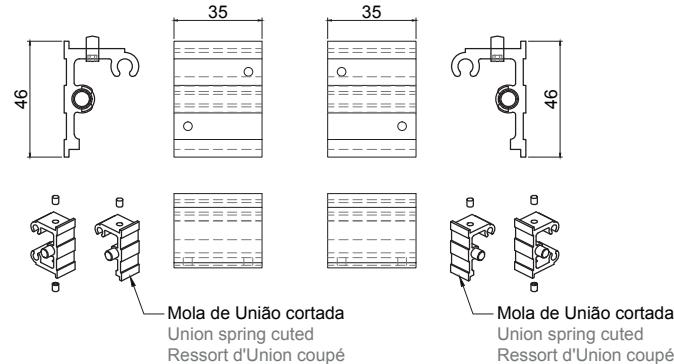
Transformation de l'Union UT 2807



Transformação da Mola de União para peças direitas ou esquerdas

Union spring transformation for right and left parts

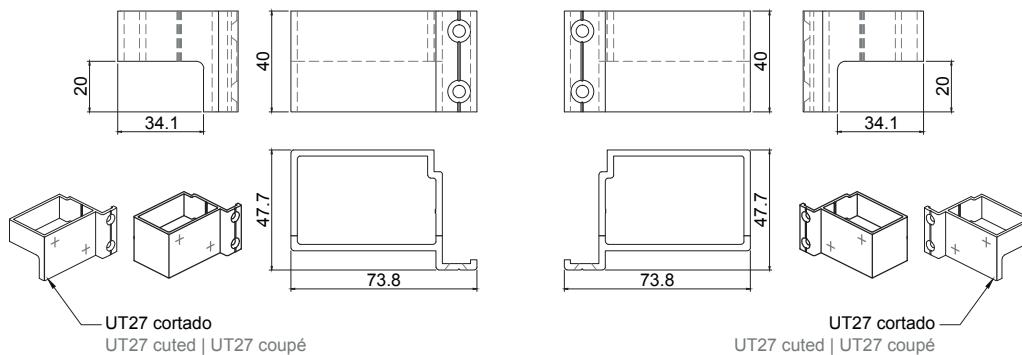
Transformation du Ressort d'Union pour les pièces droites ou gauches



Transformação da União UT27 para peças direitas ou esquerdas

UT27 Union transformation for right and left parts

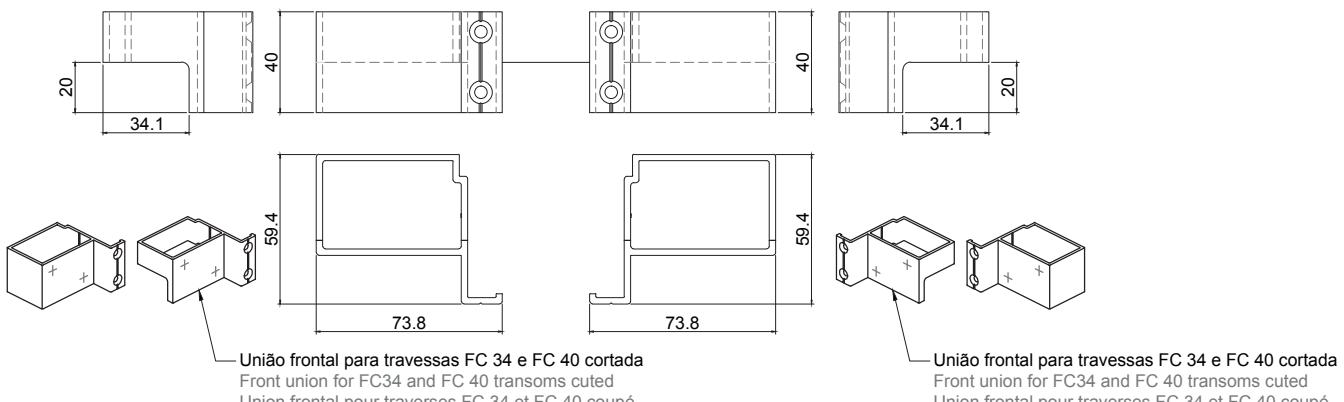
Transformation de l'Union UT27 pour les pièces droites ou gauches



Transformação da União Frontal para Travessas FC 34 e FC 40 para peças direitas ou esquerdas

Front union for FC34 and FC 40 transoms transformation for right and left parts

Transformation de l'Union frontal pour traverses FC 34 et FC 40 pour les pièces droites ou gauches



MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

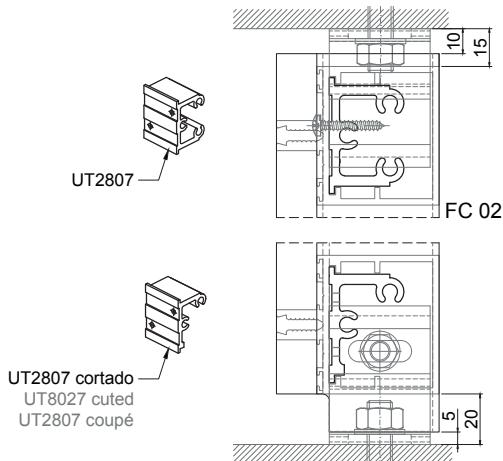
PORMENORES DE REMATE SUPERIOR E INFERIOR COM OS ACESSÓRIOS DE UNIÃO TRANSFORMADOS

TOP AND BOTTOM FINISHING DETAILS WITH THE TRANSFORMED JOINING ACCESSORIES

DÉTAILS DE FINITION SUPÉRIEURS ET INFÉRIEURS AVEC LES ACCESSOIRES DE LIAISON TRANSFORMÉS

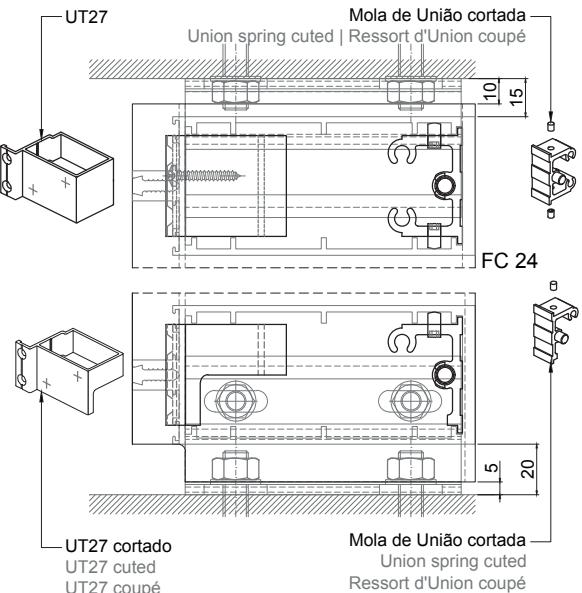
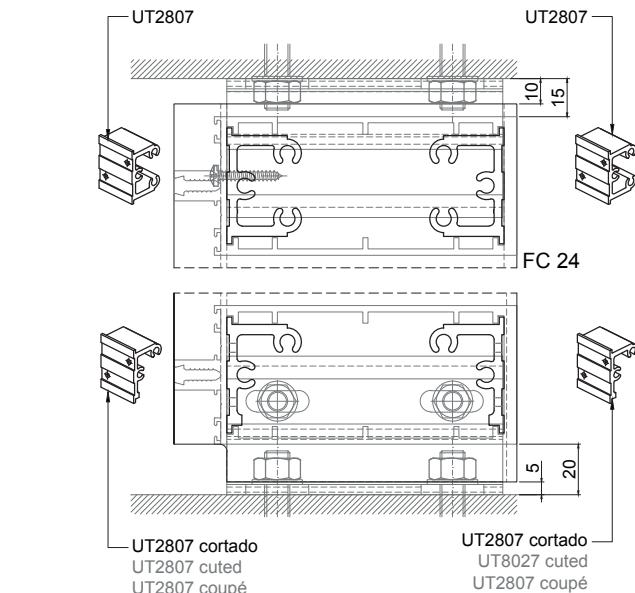
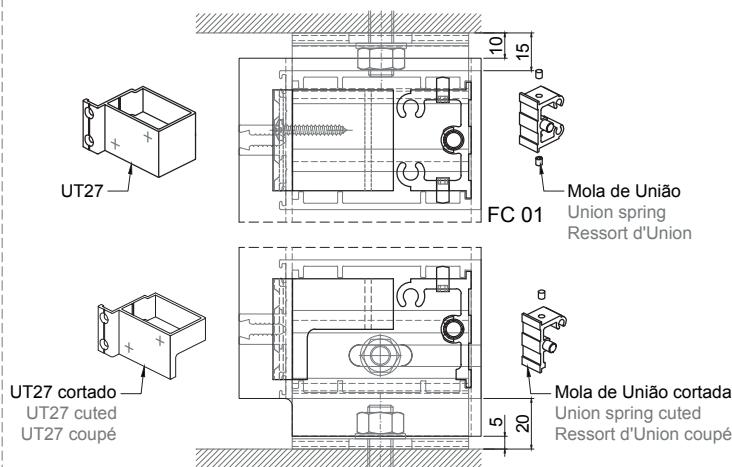
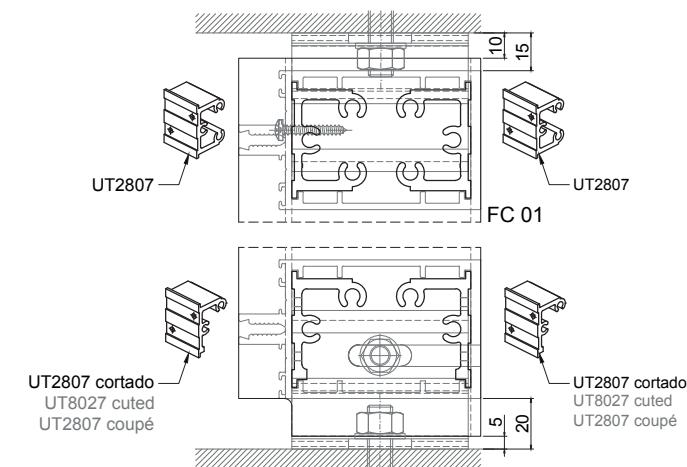
MONTAGEM ALTERNADA

ALTERNATE ASSEMBLY | MONTAGE ALTERNÉ



MONTAGEM FRONTAL

FRONT ASSEMBLY | MONTAGE FRONTAL



NOTA | NOTE | REMARQUE:

CONSIDERAR UM CORTE ADICIONAL AO TOPOS DE TRAVESSA QUANDO APPLICADO NA TRAVESSA INFERIOR DE REMATE
CONSIDER AN ADDITIONAL CUT TO THE TRANSOM END-CAP WHEN APPLIED TO THE LOWER TRANSOM

CONSIDÉRER UNE COUPE SUPPLÉMENTAIRE DANS L'EMBOUTS LORSQU'ELLE EST APPLIQUÉE À LA TRAVERSE INFÉRIEURE DE FINITIONS

MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

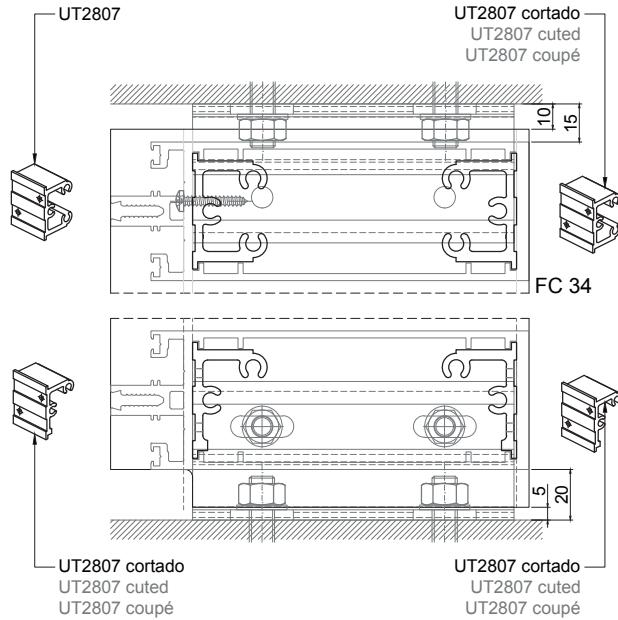
PORMENORES DE REMATE SUPERIOR E INFERIOR COM OS ACESSÓRIOS DE UNIÃO TRANSFORMADOS

TOP AND BOTTOM FINISHING DETAILS WITH THE TRANSFORMED JOINING ACCESSORIES

DÉTAILS DE FINITION SUPÉRIEURS ET INFÉRIEURS AVEC LES ACCESSOIRES DE LIAISON TRANSFORMÉS

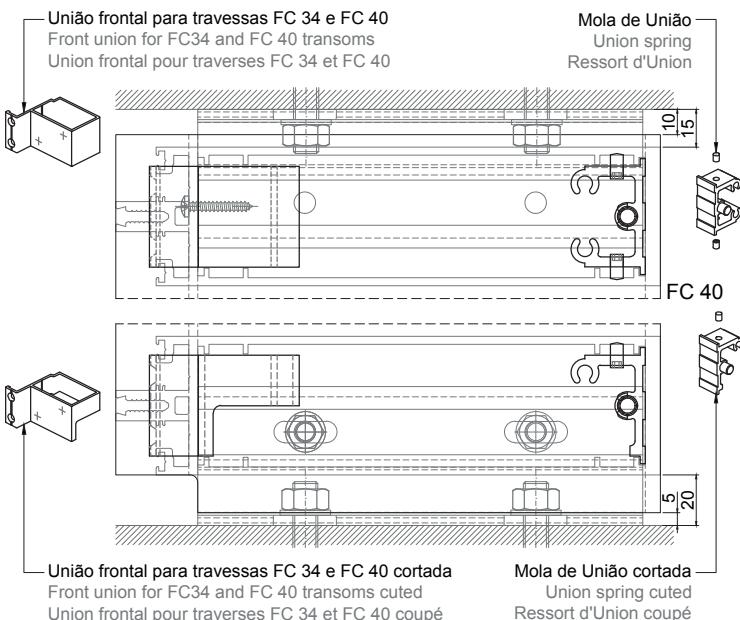
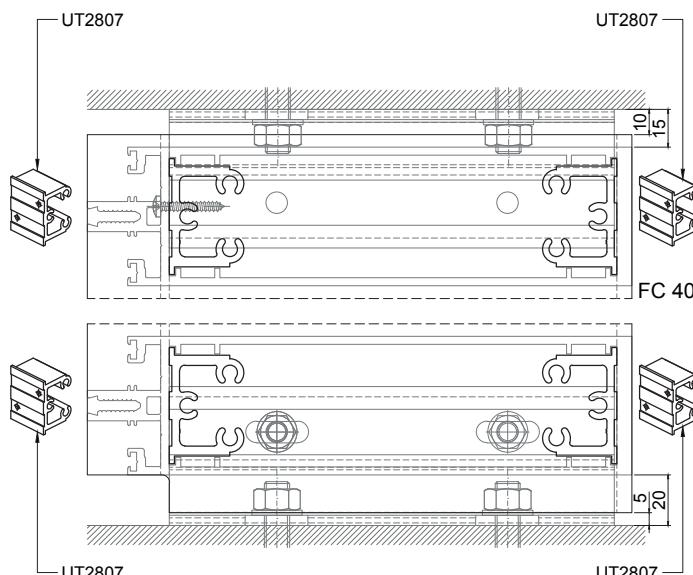
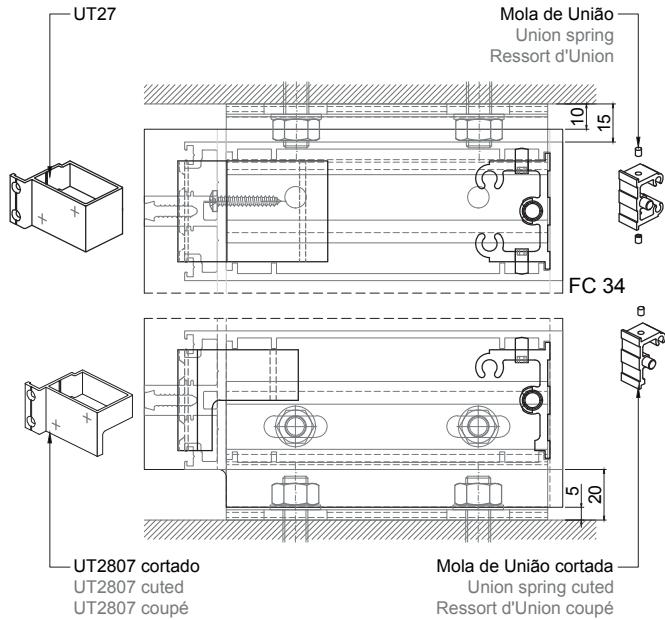
MONTAGEM ALTERNADA

ALTERNATE ASSEMBLY | MONTAGE ALTERNÉ



MONTAGEM FRONTAL

FRONT ASSEMBLY | MONTAGE FRONTAL



NOTA | NOTE | REMARQUE:

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CONSIDÉRER UNE COUPE SUPPLÉMENTAIRE DANS L'EMBOUT LORSQU'ELLE EST APPLIQUÉE À LA TRAVERSE INFÉRIEURE DE FINITIONS

MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

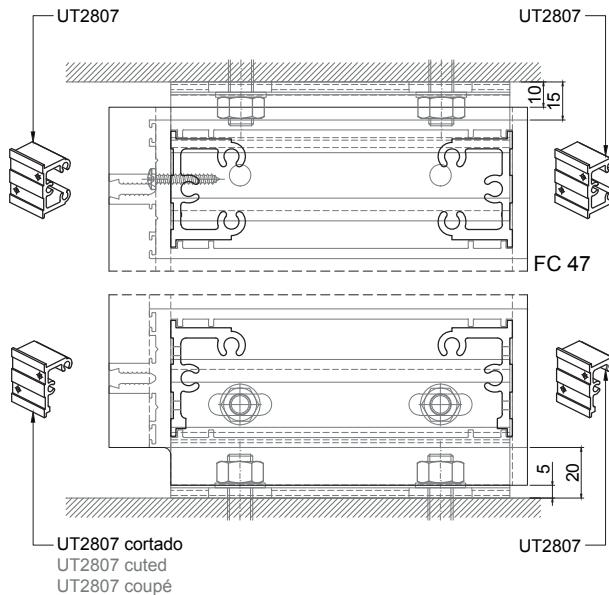
PORMENORES DE REMATE SUPERIOR E INFERIOR COM OS ACESSÓRIOS DE UNIÃO TRANSFORMADOS

TOP AND BOTTOM FINISHING DETAILS WITH THE TRANSFORMED JOINING ACCESSORIES

DÉTAILS DE FINITION SUPÉRIEURS ET INFÉRIEURS AVEC LES ACCESSOIRES DE LIAISON TRANSFORMÉS

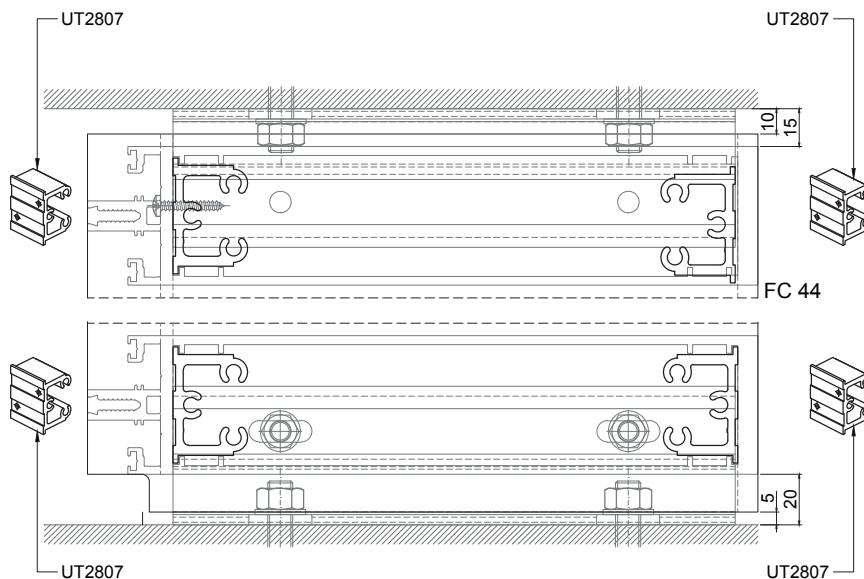
MONTAGEM ALTERNADA

ALTERNATE ASSEMBLY | MONTAGE ALTERNÉ



MONTAGEM ALTERNADA

ALTERNATE ASSEMBLY | MONTAGE ALTERNÉ



NOTA | NOTE | REMARQUE:

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MONTAGEM DOS PERFIS

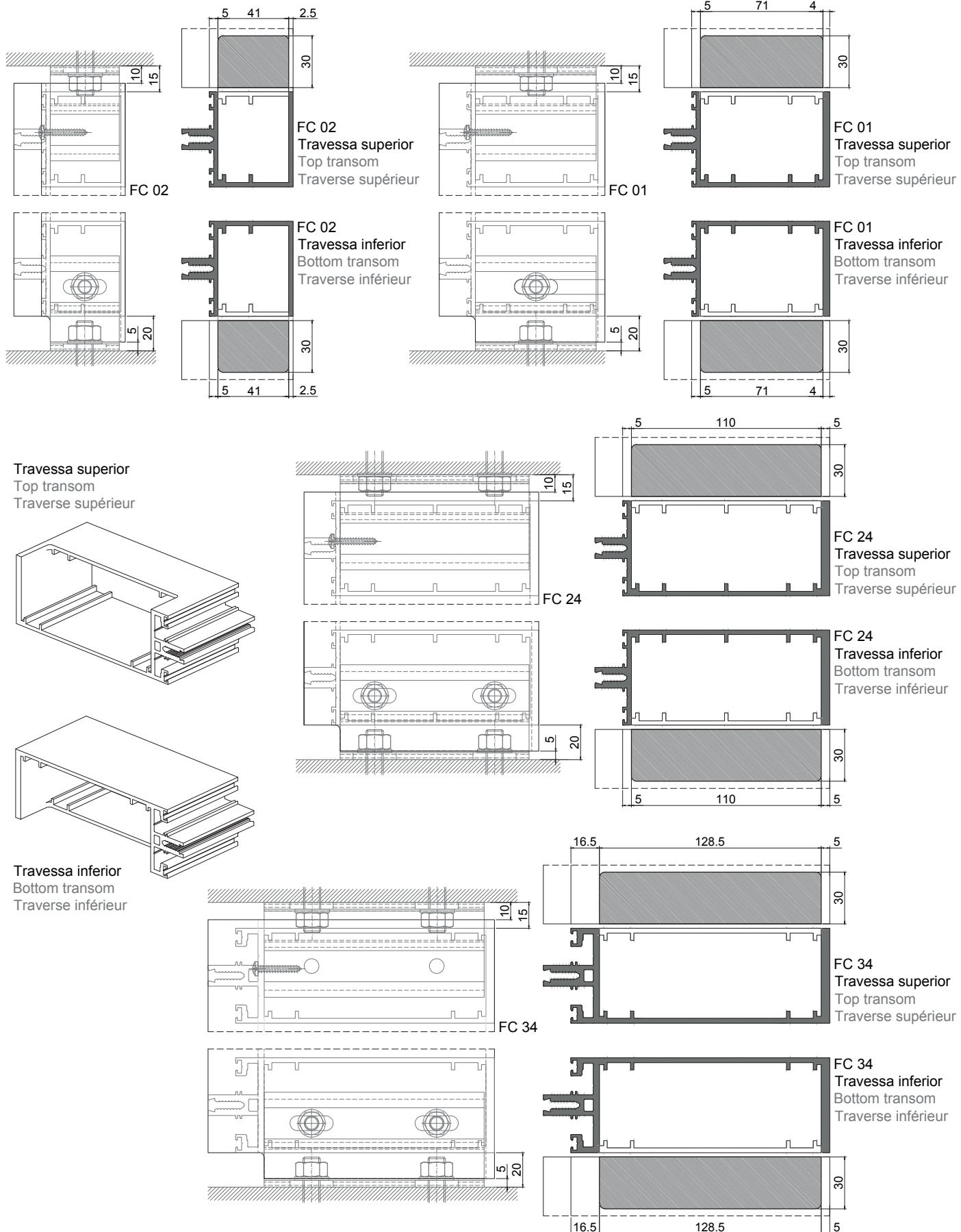
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

PORMENOR DE CORTE DAS TRAVESSAS DE REMATE

FINISHING TRANSOMS CUT DETAIL

DÉTAILS DE COUPE DES TRAVERSES DE FINITION



MONTAGEM DOS PERFIS

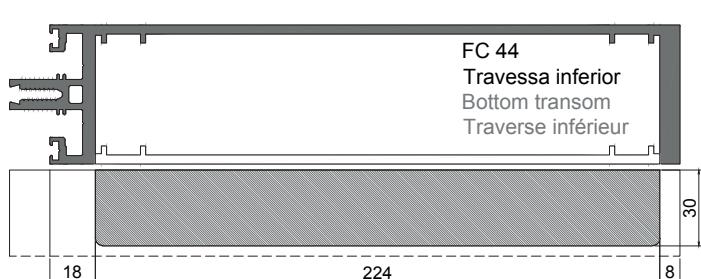
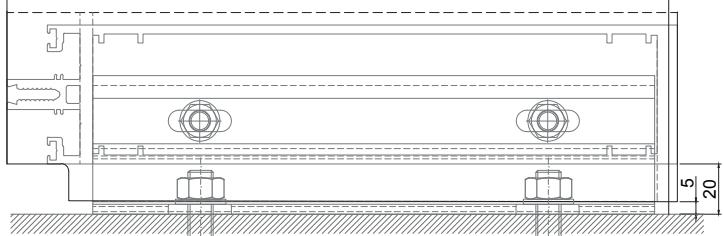
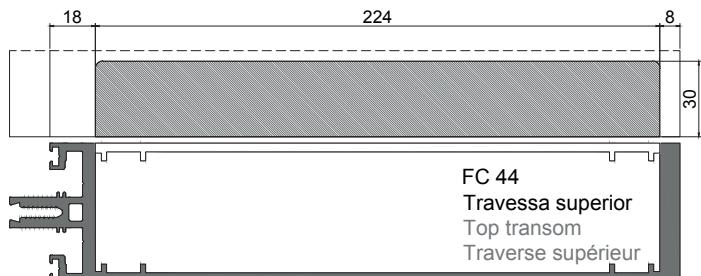
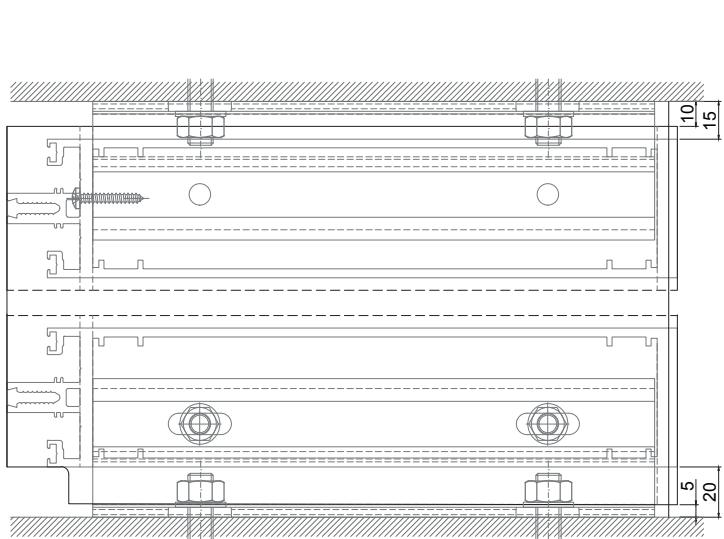
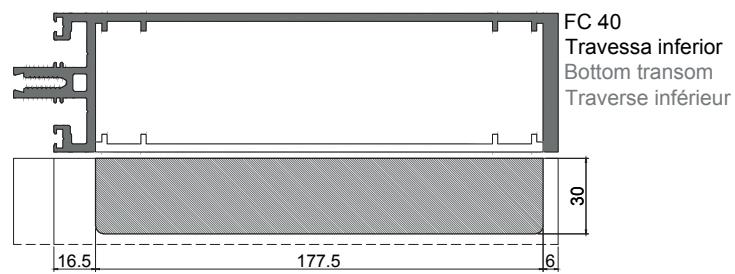
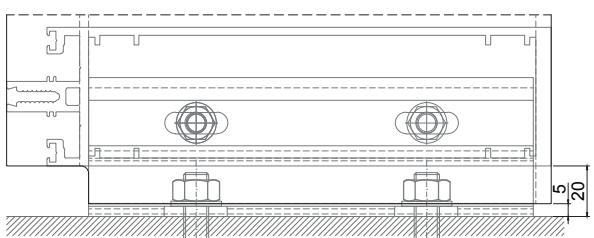
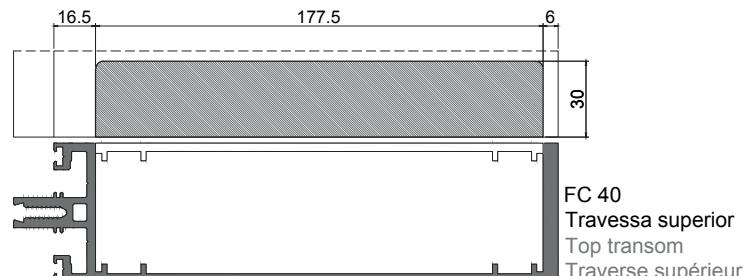
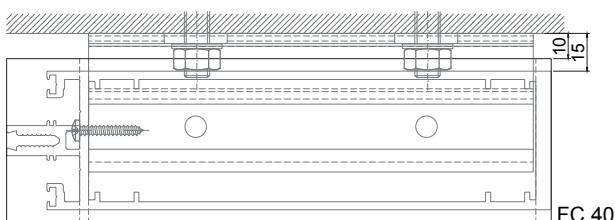
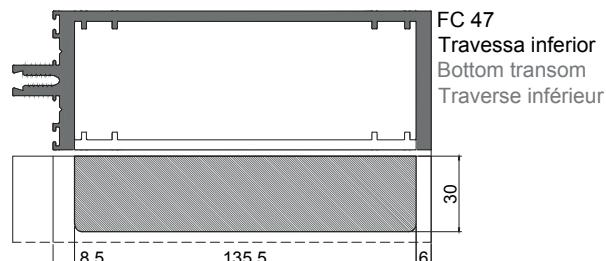
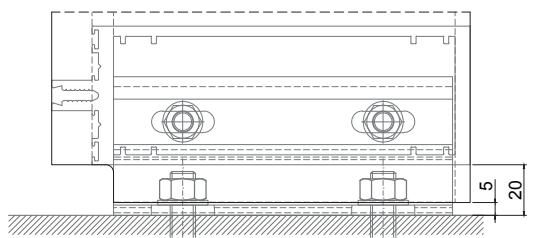
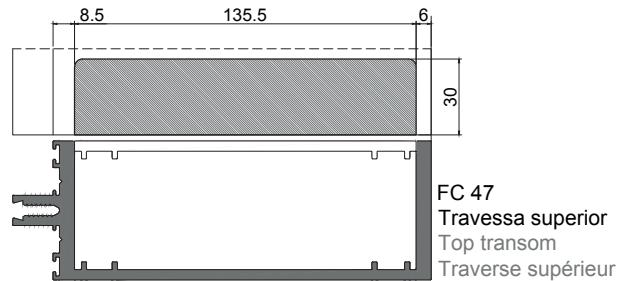
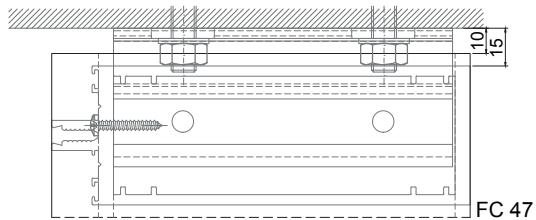
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

PORMENOR DE CORTE DAS TRAVESSAS DE REMATE

FINISHING TRANSOMS CUT DETAIL

DÉTAILS DE COUPE DES TRAVERSES DE FINITION



MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FIXAÇÃO DO PERFIL FC 30 - PEÇAS HORIZONTAIS E VERTICAIS

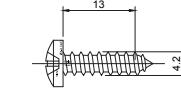
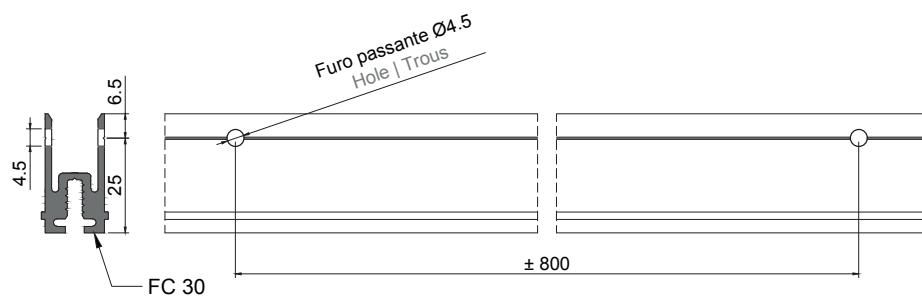
PROFILE FC 30 FIXATION - HORIZONTAL AND VERTICAL PARTS

FIXATION DU PROFILÉ FC 30 - PIÈCES HORIZONTALES ET VERTICALES

FACHADA OCULTA E SEMI OCULTA

CURTAIN WALL - ESTRUTURAL GLAZING AND VEB

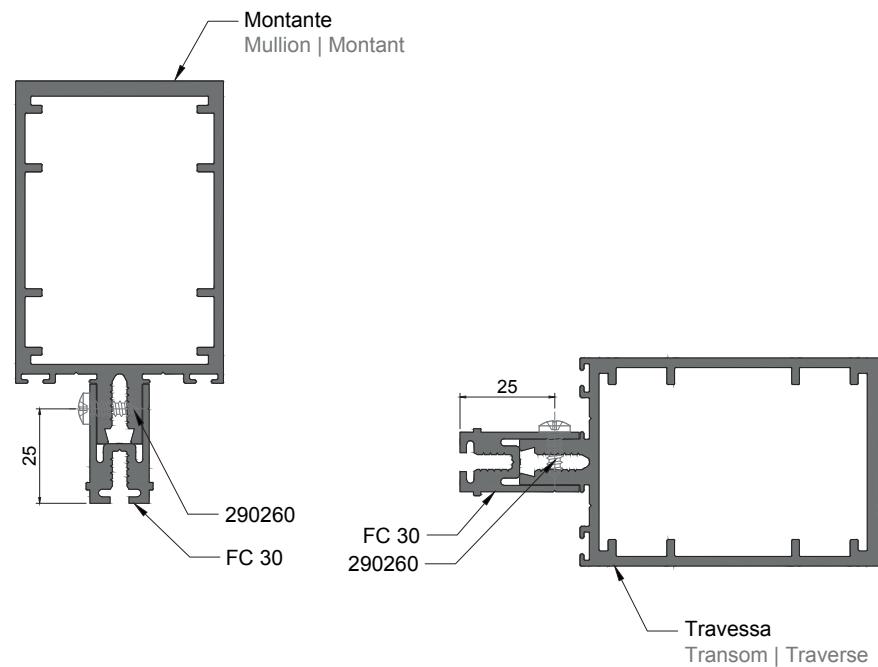
MUR RIDEAU - VEC ET VEP



Para fixação dos perfis FC 30 e
FC 38 a montantes/travessas
Para união UT 2807 e união UT 27

290111

PARAFUSO CQ
4,2X13 INOX A2



MONTAGEM DOS PERFIS

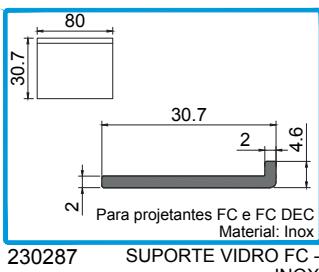
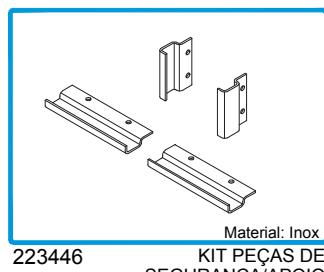
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FACHADA ESTRUTURAL TRADICIONAL COM TAMPAS - APLICAÇÃO DAS PEÇAS DE SEGURANÇA E APOIO DE VIDRO

CURTAIN WALL WITH COVER CAPS - SECURITY PARTS AND GLASS SUPPORT APPLICATION

MUR RIDEAU AVEC CAPOT - APPLICATION DES PIÈCES DE SÉCURITÉ ET DU SUPPORT DE VERRE



Kit Peças segurança FC

FC Security parts

Pièces de sécurité FC

Supor te de vidro FC Inox

Glass support

Support de verre

Material: Inox

Glass support

Support de ver

MONTAGEM DOS PERFIS

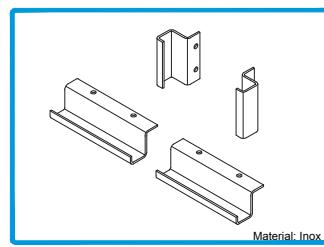
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

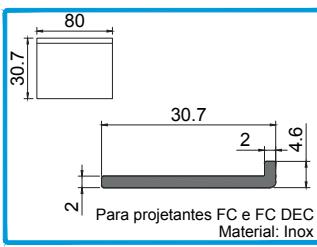
FACHADA DEC - APLICAÇÃO DAS PEÇAS DE SEGURANÇA E APOIO DE VIDRO

CURTAIN WALL DEC - SECURITY PARTS AND GLASS SUPPORT APPLICATION

MUR RIDEAU DEC - APPLICATION DES PIÈCES DE SÉCURITÉ ET DU SUPPORT DE VERRE



223447 KIT PEÇAS DE
SEGURANÇA/APOIO VIDRO
PROJECTANTE FC DEC



230287 SUPORTE VIDRO FC -
INOX

Kit Peças segurança FC DEC

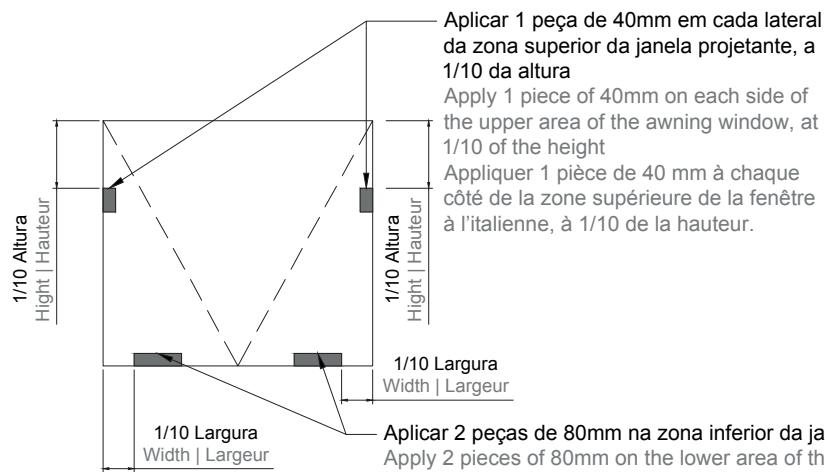
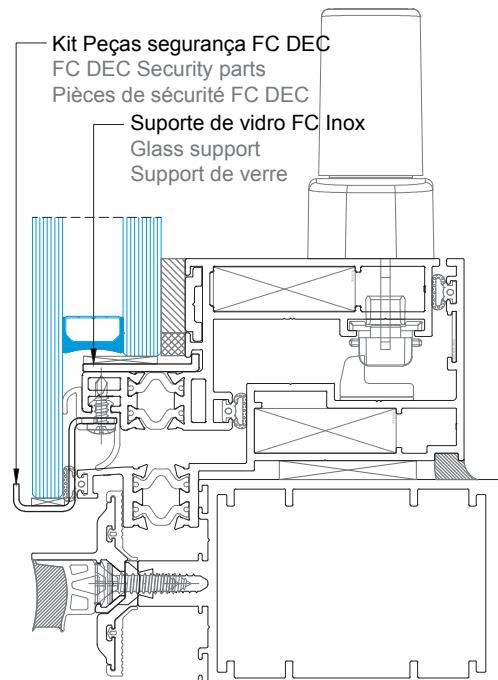
FC DEC Security parts

Pièces de sécurité FC DEC

Suporte de vidro FC Inox

Glass support

Support de verre



Aplicar 1 peça de 40mm em cada lateral da zona superior da janela projetante, a 1/10 da altura

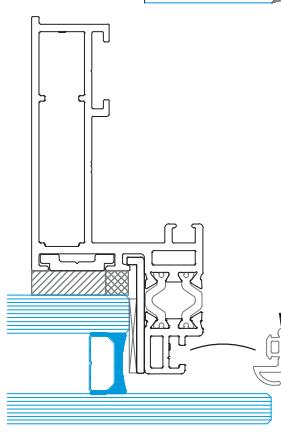
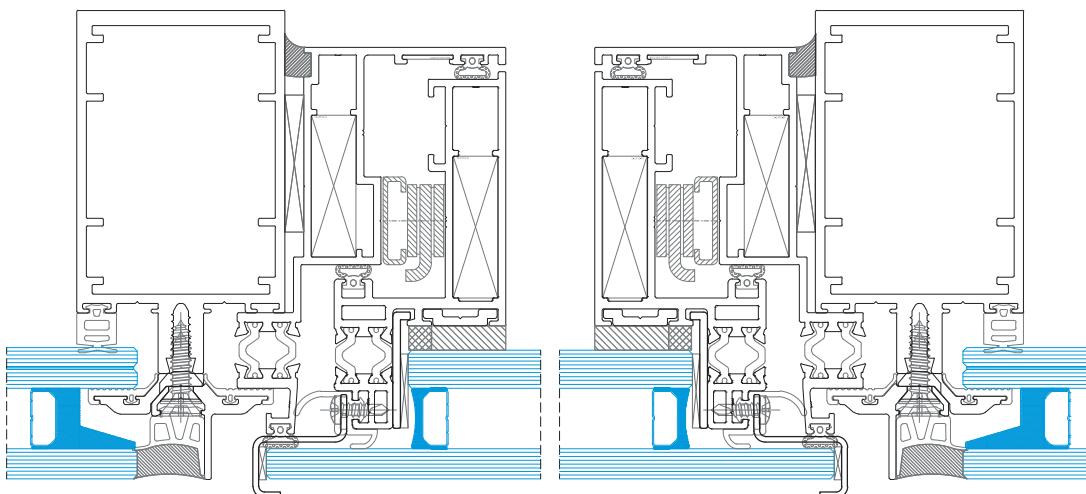
Apply 1 piece of 40mm on each side of the upper area of the awning window, at 1/10 of the height

Appliquer 1 pièce de 40 mm à chaque côté de la zone supérieure de la fenêtre à l'italienne, à 1/10 de la hauteur.

Aplicar 2 peças de 80mm na zona inferior da janela projetante, a 1/10 da largura

Apply 2 pieces of 80mm on the lower area of the awning window, at 1/10 of the width

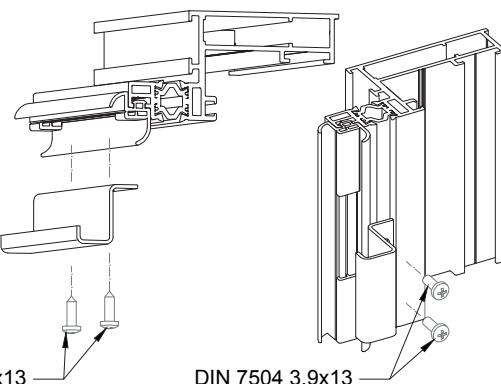
Appliquer 2 pièces de 80 mm sur la zone inférieure de la fenêtre à l'italienne, à 1/10 de la largeur



Cortar parte do vedante: 40mm para as peças laterais e 80mm para as peças inferiores

Cut part of the seal: 40mm for the side parts and 80mm for the lower parts

Coupe du segment du joint : 40 mm pour les pièces latérales et 80 mm pour les pièces inférieures



DIN 7504 3,9x13

DIN 7504 3,9x13

MONTAGEM DOS PERFIS

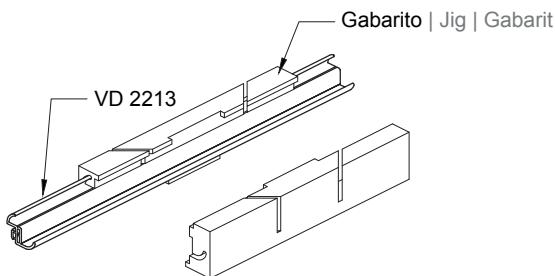
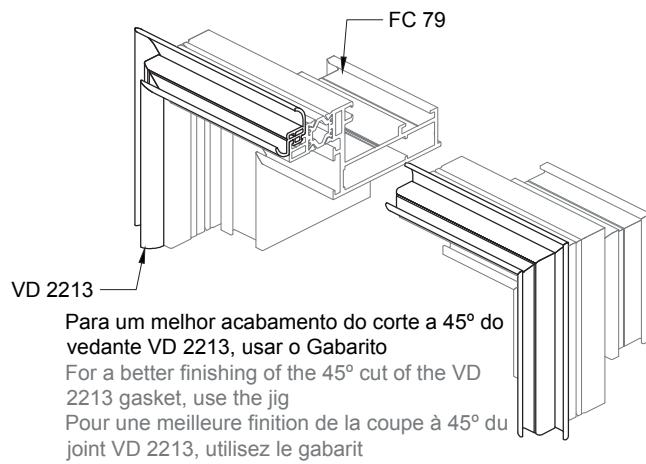
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

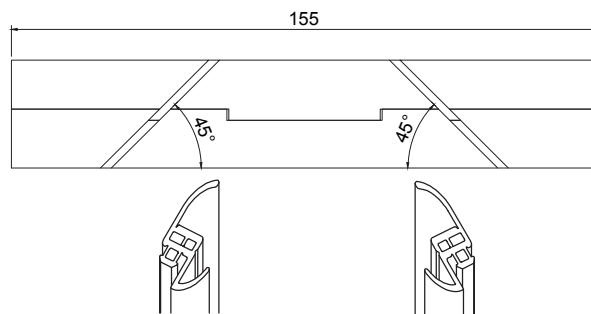
FACHADA ESTRUTURAL E DEC - CORTE A 45° DO VEDANTE VD 2213

CURTAIN WALL WITH COVER CAPSAND CURTAIN WALL DEC - 45° CUT OF GASKET VD 2213

MUR RIDEAU AVEC CAPOT ET MUR RIDEAU DEC - COUPE À 45° DU JOINT VD 2213



Encaixar o vedante VD 2213 no gabarito e cortar conforme ângulo
Fit the gasket VD 2213 in the jig and cut according to the angle
Ajustez le joint VD 2213 dans le gabarit et coupez selon l'angle

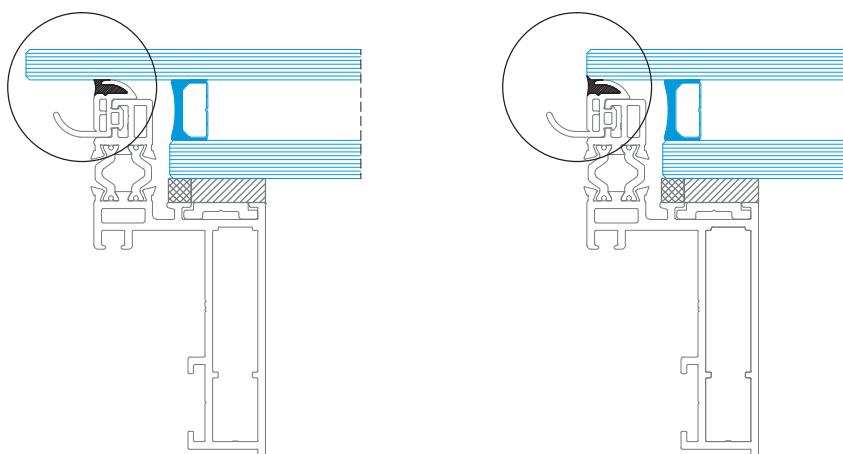


NOTA IMPORTANTE | IMPORTANTE NOTE | REMARQUE IMPORTANTE:

Na aplicação de acionadores para motorização de janelas é necessário fazer uma vedação perimetral entre o vedante VD2213 e o vidro após o quadro montado e aplicado o vidro de colagem estrutural

When using actuators for window motorisation, it is necessary to make a perimeter sealing between the VD2213 gasket and the glass after the frame has been assembled and the structural glue glass has been applied

En cas d'utilisation de moteurs pour la motorisation des fenêtres, il est nécessaire de réaliser un scellage périphérique entre le joint VD2213 et le verre après l'assemblage du cadre et l'application du verre de collage structurel.



MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

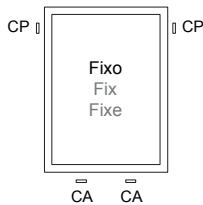
ASSEMBLAGE DES PROFILÉS

FACHADA SEMI-OCULTA - FIXAÇÃO DOS QUADROS FIXOS

WEB CURTAIN WALL - FIXED FRAMES FIXING

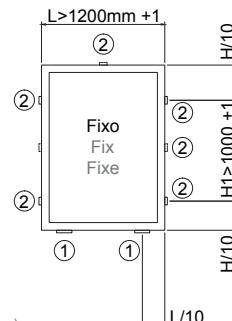
MUR RIDEAU VEP - FIXATION DES CADRES FIXES

Esquema de Calços
Shims Scheme
Schéma des cales

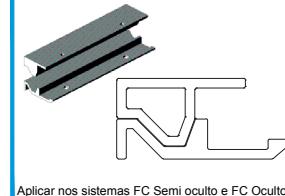


CA = Calço de apoio (a 1/10 da largura do vidro)
Support shim (at 1/10 of the glass width)
Appliquer le Cale d'assise (à 1/10 de la largeur du verre)

CP = Calço periférico
Hanger shim
Cale périphérique



①

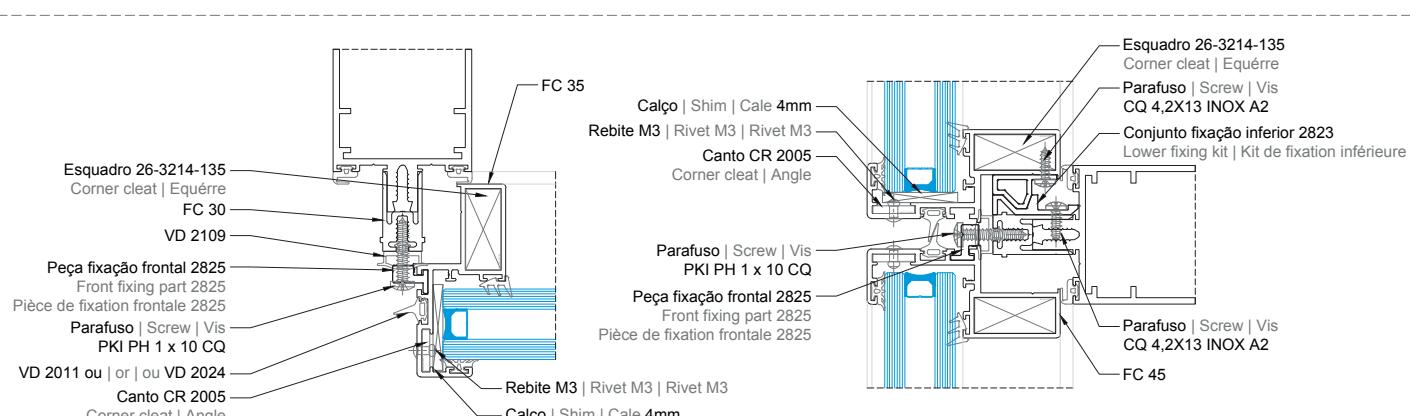
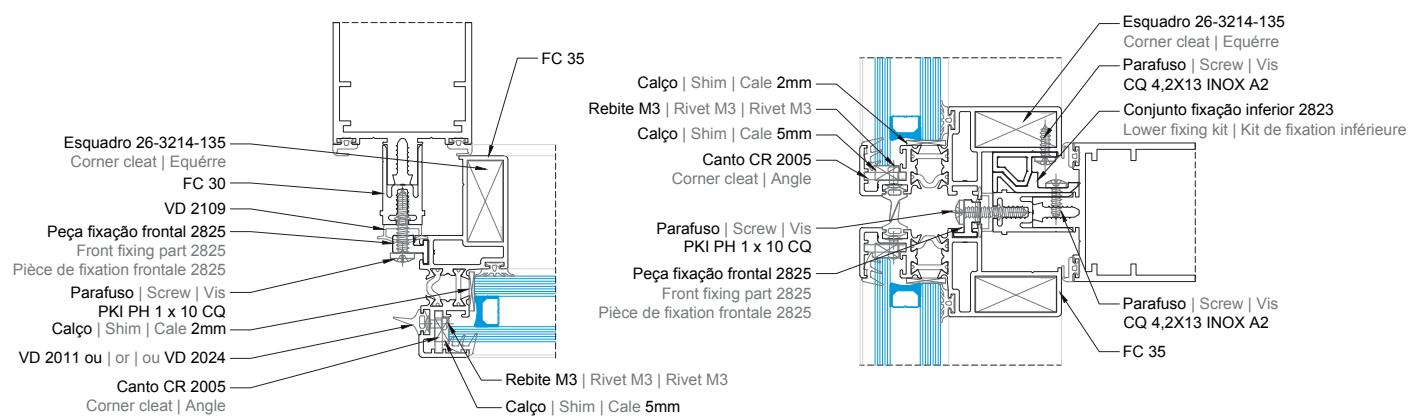
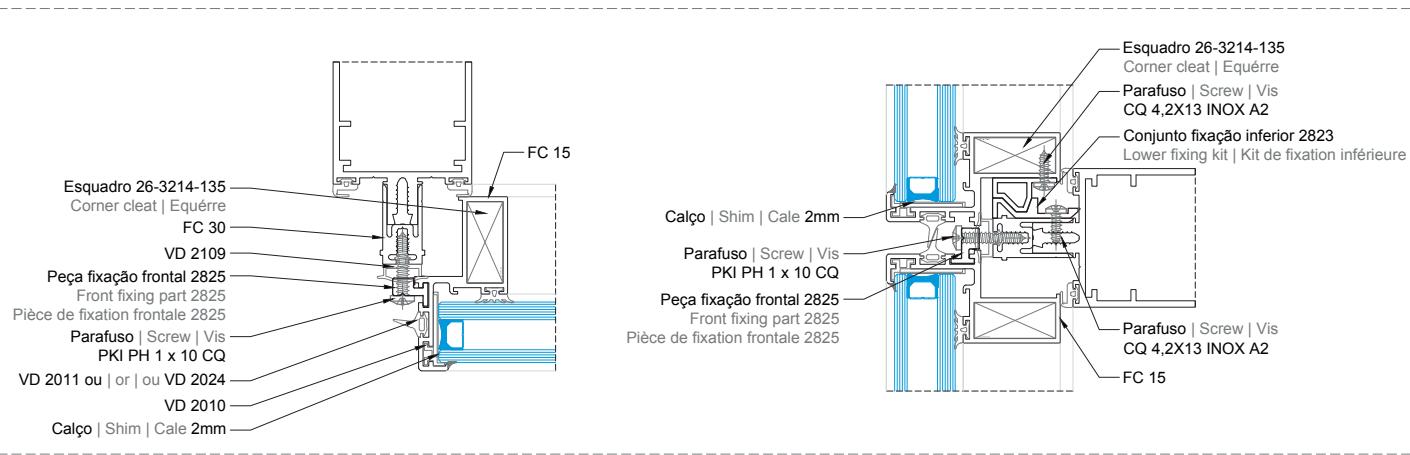


Aplicar nos sistemas FC Semi oculto e FC Oculto

②



PEÇA FIXAÇÃO FRONTAL 2825

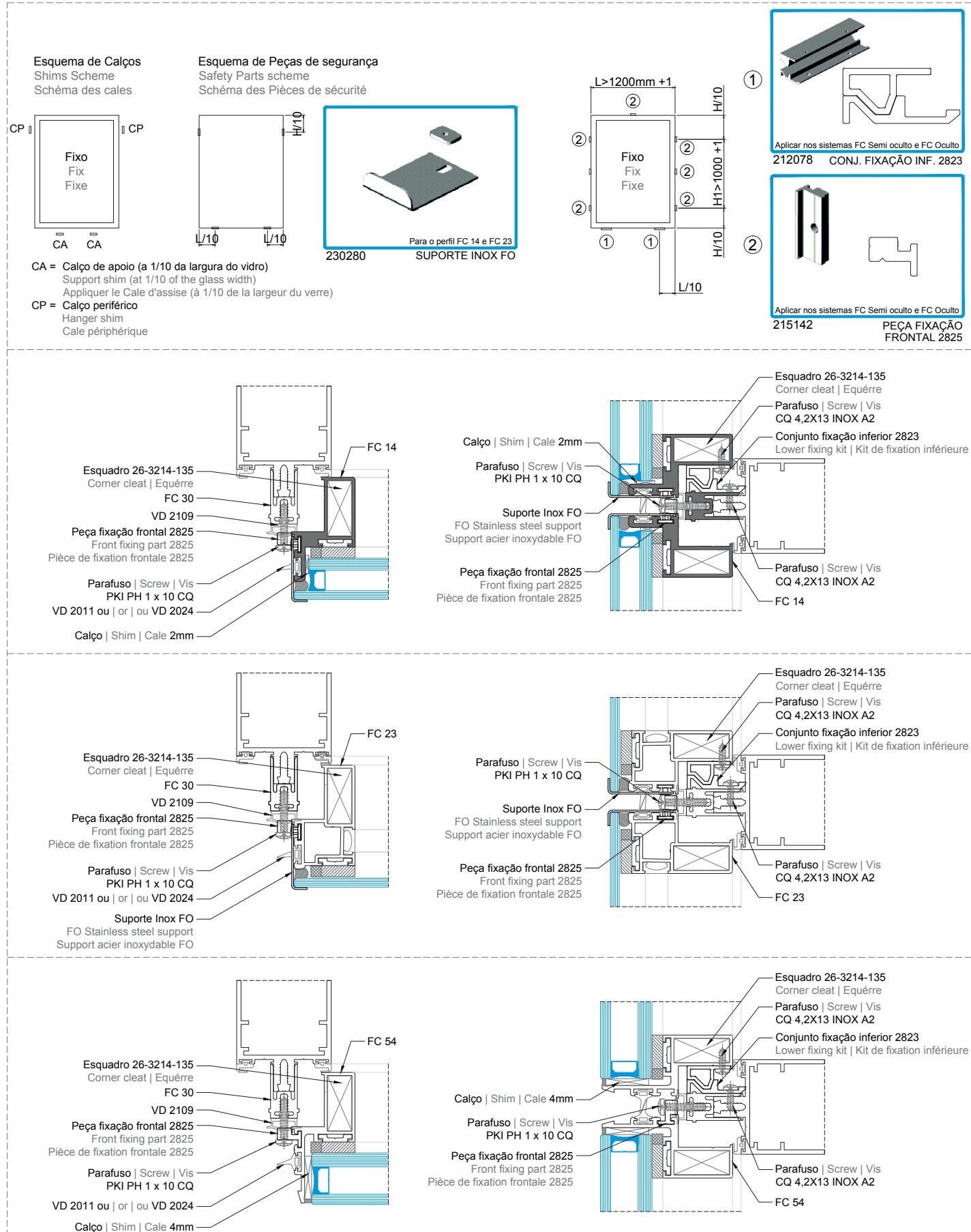


MONTAGEM DOS PERFIS

PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FACHADA OCULTA - FIXAÇÃO DOS QUADROS FIXOS STRUCTURAL GLAZING CURTAIN WALL - FIXED FRAMES FIXING MUR RIDEAU VEC - FIXATION DES CADRES FIXES



MONTAGEM DOS PERFIS

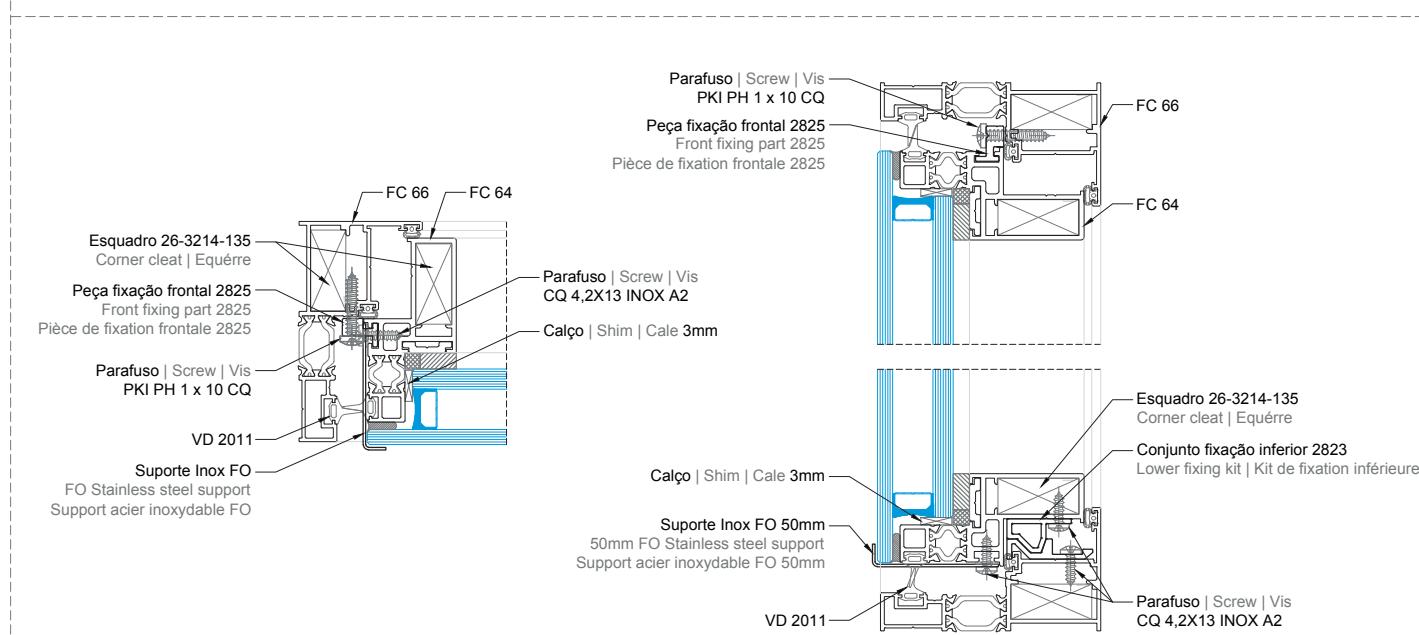
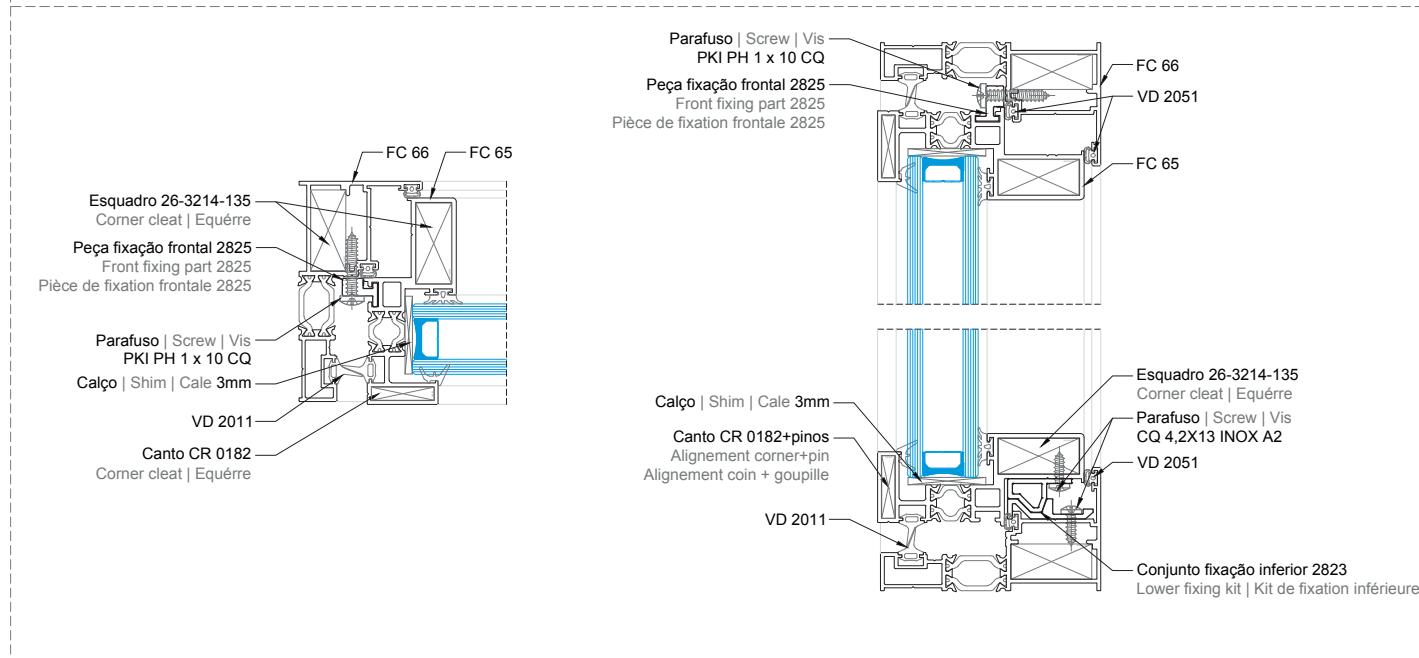
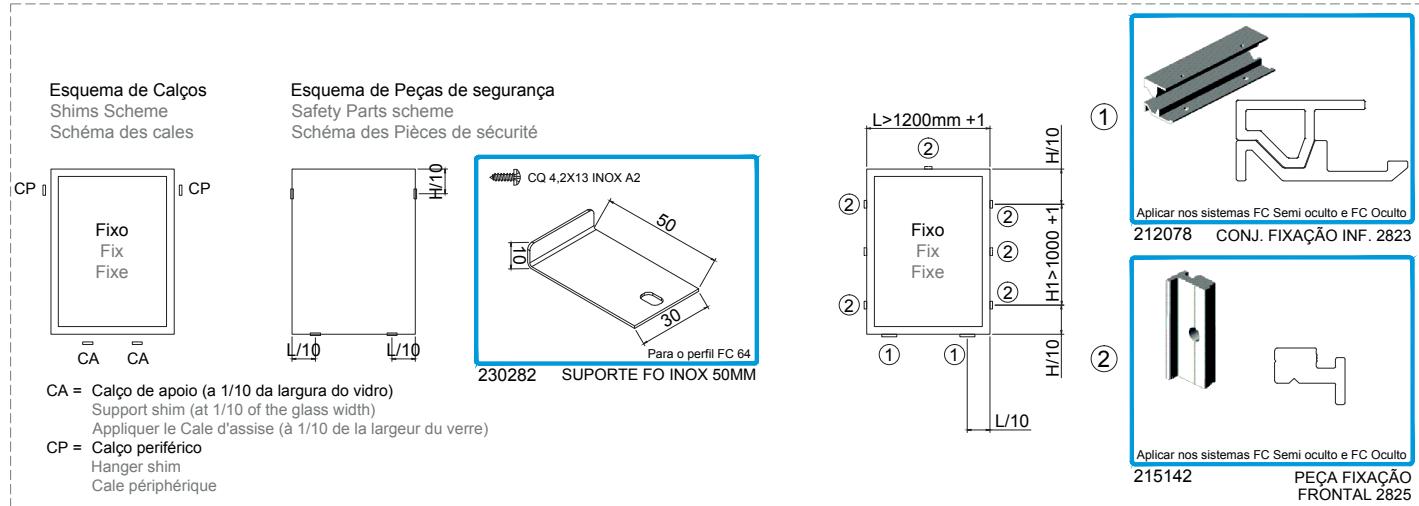
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FACHADA OCULTA E SEMI-OCULTA - FIXAÇÃO DE QUADROS FIXOS ISOLADOS

STRUCTURAL GLAZING AND VEB CURTAIN WALL - ISOLATED FIXED FRAMES FIXING

MUR RIDEAU VEC ET MUR RIDEAU VEP - FIXATION DES CADRES FIXES ISOLÉS



MONTAGEM DOS PERFIS

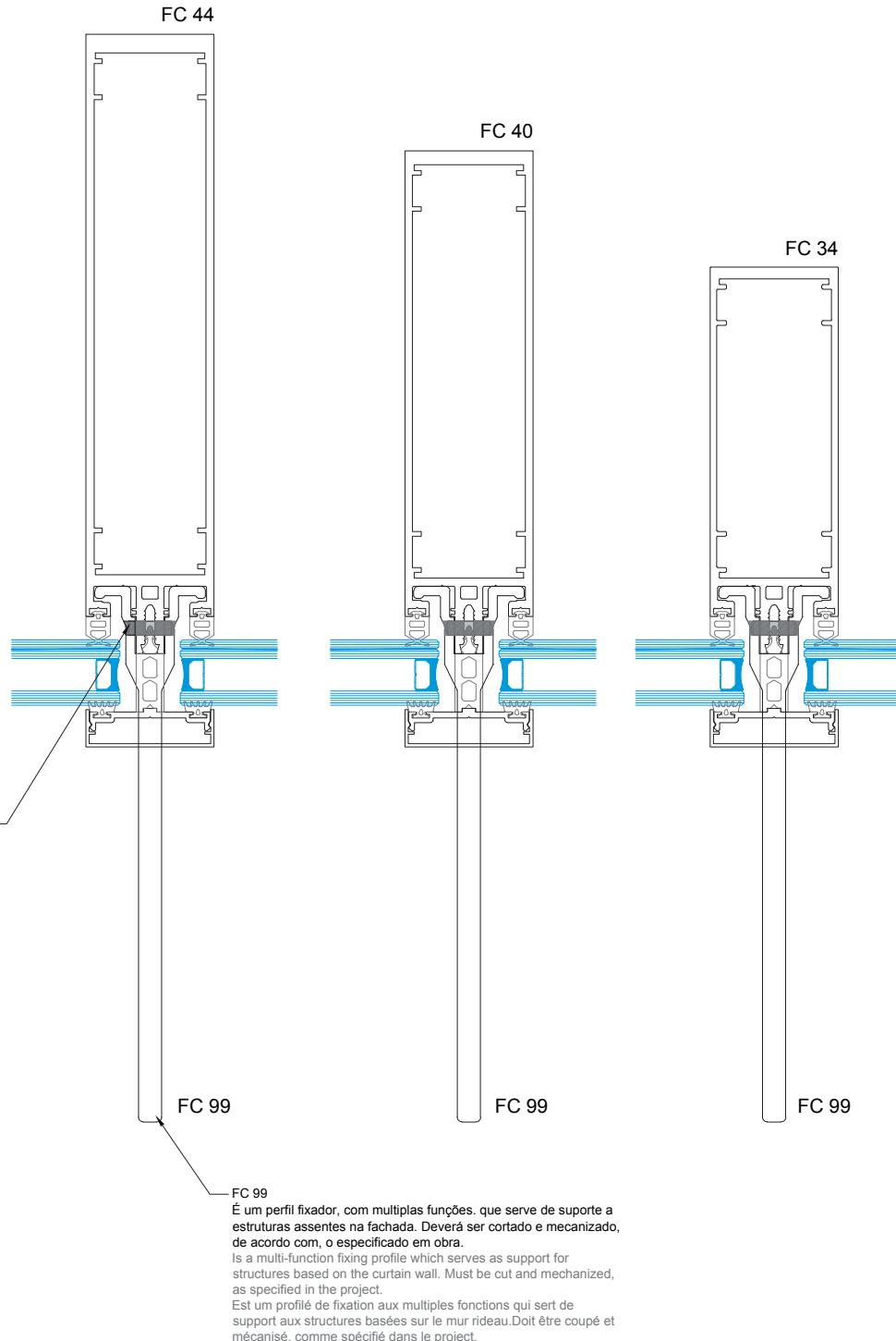
PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS

FACHADA ESTRUTURAL TRADICINAL COM TAMPAS - FIXAÇÃO DE FC 99

CURTAIN WALL WITH COVER CAPS - FC 99 FIXING

MUR RIDEAU AVEC CAPOT - FIXATION DU FC 99

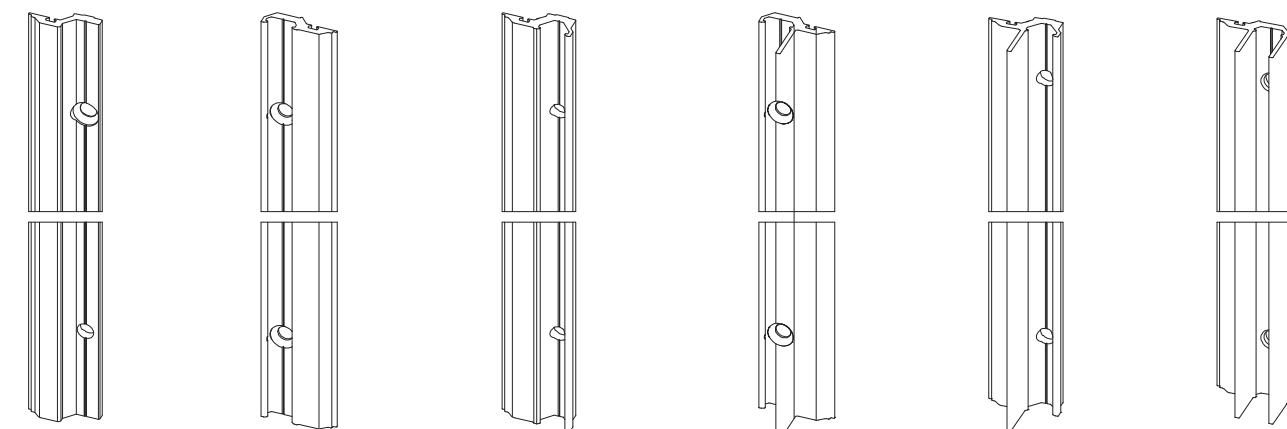
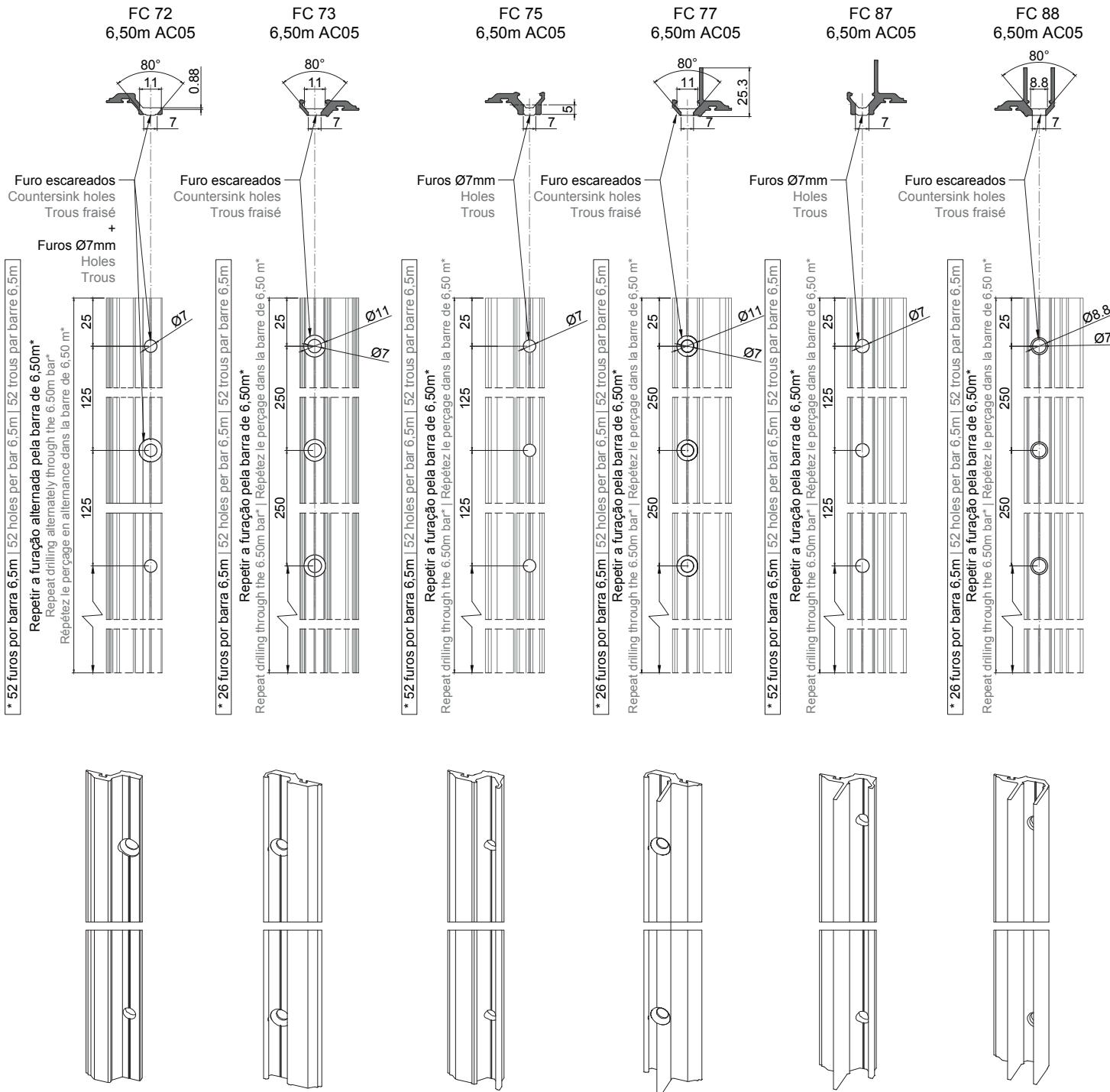


X . 2

Montagem de perfis FC-DEC
FC-DEC Profiles assembly
Assamblage des profilés FC-DEC

MONTAGEM DOS PERFIS FC DEC
FC DEC PROFILES ASSEMBLY
ASSEMBLAGE DES PROFILÉS FC DEC

MAQUINAÇÃO DOS PERFIS FIXADORES DE VIDRO FC-DEC
MACHINING OF THE GLASS FIXING PROFILES FC-DEC
USINAGE DES PROFILÉS DE FIXATION DU VERRE FC-DEC



MONTAGEM DOS PERFIS FC DEC

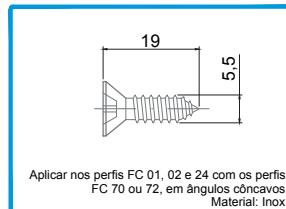
FC DEC PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS FC DEC

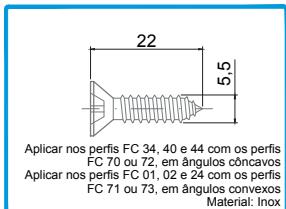
APARAFUSAMENTO DOS PERFIS FIXADORES DE VIDRO FC DEC

SCREWING FIXING PROFILES FC DEC

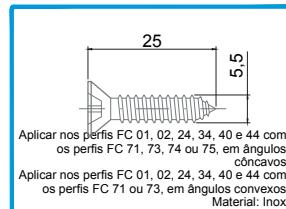
VISSEZ LES PROFILÉS DE FIXATION FC DEC



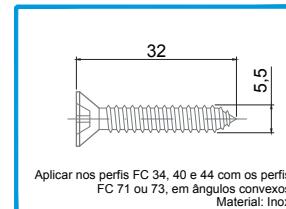
290045 PARAFUSO DIN7982
5,5x19 INOX



290046 PARAFUSO DIN7982
5,5x22 INOX

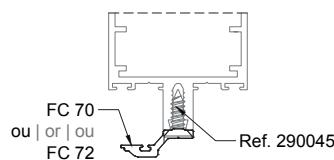


290047 PARAFUSO DIN7982
5,5x25 INOX

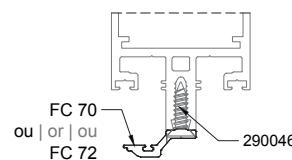


290048 PARAFUSO DIN7982
5,5x32 INOX

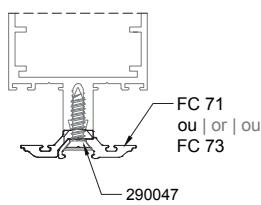
PERFIS | PROFILES | PROFILÉS: FC 01, FC 02, FC 24 e FC 47



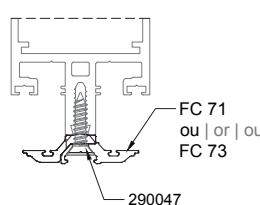
PERFIS | PROFILES | PROFILÉS: FC 34, FC 40 e FC 44



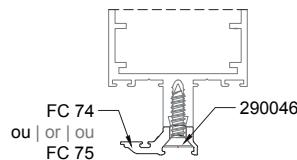
PERFIS | PROFILES | PROFILÉS: FC 01, FC 02, FC 24 e FC 47



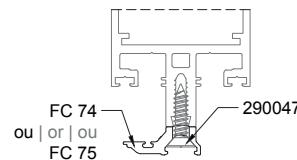
PERFIS | PROFILES | PROFILÉS: FC 34, FC 40 e FC 44



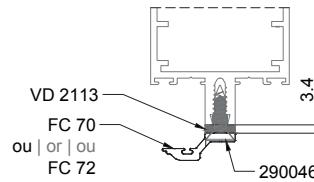
PERFIS | PROFILES | PROFILÉS: FC 01, FC 02, FC 24 e FC 47



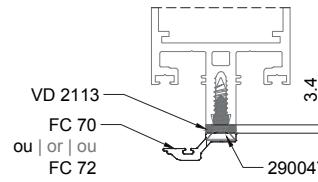
PERFIS | PROFILES | PROFILÉS: FC 34, FC 40 e FC 44



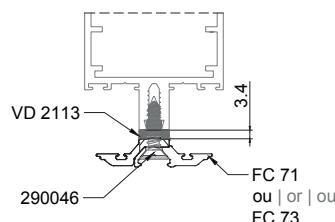
PERFIS | PROFILES | PROFILÉS: FC 01, FC 02, FC 24 e FC 47



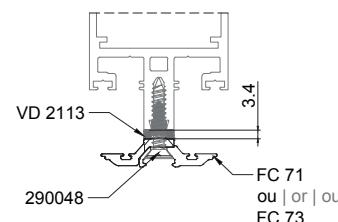
PERFIS | PROFILES | PROFILÉS: FC 34, FC 40 e FC 44



PERFIS | PROFILES | PROFILÉS: FC 01, FC 02, FC 24 e FC 47



PERFIS | PROFILES | PROFILÉS: FC 34, FC 40 e FC 44



MONTAGEM DOS PERFIS FC DEC

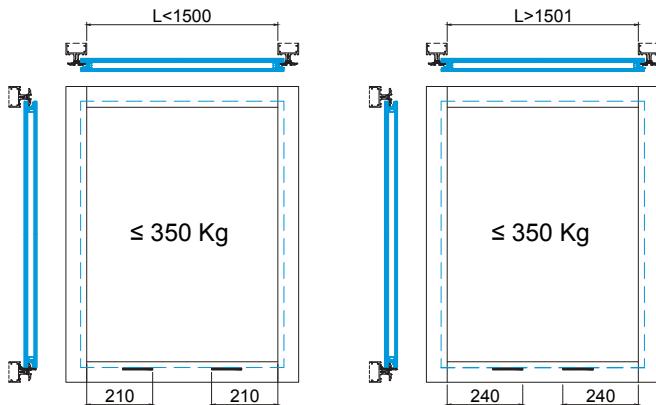
FC DEC PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS FC DEC

APLICAÇÃO DOS SUPORTES DE VIDRO

GLASS SUPPORTS APPLICATION

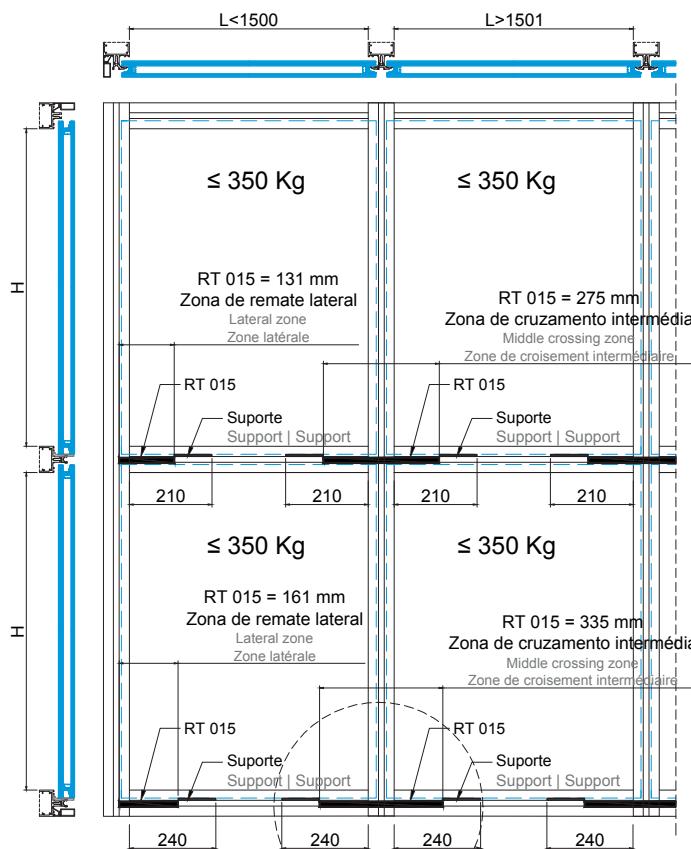
APPLICATION DES SUPPORTS DU VERRE



APLICAÇÃO DO PERFIL DE PVC RT 015

PVC RT 015 PROFILE APPLICATION

APPLICATION DU PROFILÉ PVC RT 015



Posicionar o Suporte de vidro fixando-o com o perno

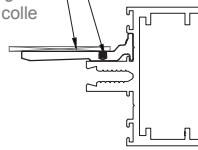
Place the glass support and fix it with the bolt

Positionner le support de verre et le fixer avec le boulon

Aplicar Calços 2mm com cola

Apply 2mm shims with glue

Appliquer des cales de 2 mm avec de la colle



Notas | Notes | Remarques:

Nos perfis FC01, FC02 e FC24, o calço de apoio de vidro tem de entrar gaveta antes de se fixar a travessa ao montante

Nos perfis FC34, FC44 e FC40 o calço de apoio de vidro será colocado após a fixação da travessa ao montante

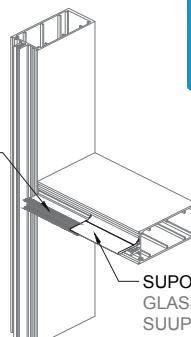
On profiles FC01, FC02 and FC24, the glass support must be inserted in the drawer before fixing the transom to the mullion
On profiles FC34, FC44 and FC40, the glass support will be placed after fixing the transom to the mullion

Sur les profilés FC01, FC02 et FC24, le support de verre doit être inséré avant de fixer la traverse au montant.

Sur les profilés FC34, FC44 et FC40, le support du verre sera placé après avoir fixé la traverse au montant.



PEÇA DE REMATE
FINISHING PART
PIÈCE DE FINITION

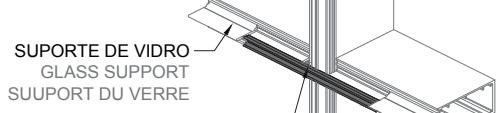


SUPORTE DE VIDRO
GLASS SUPPORT
SUUPORT DU VERRE

Proceder ao corte das abas da junta RT 015 na zona onde encontra o nariz do montante

Cut the flaps of joint RT 015 in the area where it meets the mullion

Couper les rebords du joint RT 015 dans la zone où il rencontre le montant



PEÇA INTERMÉDIA
CENTRAL PART
PIÈCE CENTRALE

corte | cut | coupe 12mm ao eixo | at centre | au centre

Dimensão da JUNTA RT 015 intermédia
Middle RT 015 dimension
Dimension du joint RT 015 central

corte | cut | coupe 12mm ao eixo | at centre | au centre

MONTAGEM DOS PERFIS FC DEC

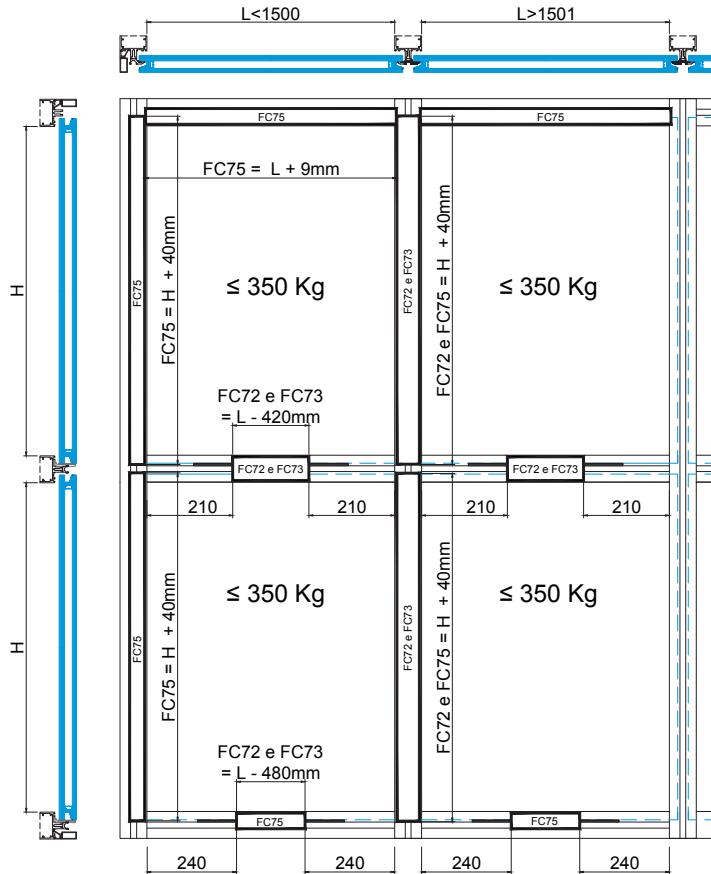
FC DEC PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS FC DEC

APLICAÇÃO E CORTE DOS PERFIS MAQUINADOS FC 72, FC 73 E FC 75

APPLICATION AND CUTTING OF THE MACHINED PROFILES FC 72, FC 73 E FC 75

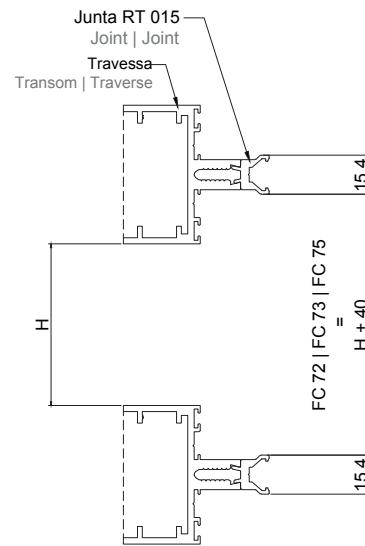
APPLICATION ET COUPE DES PROFILÉS USINÉS FC 72, FC 73 E FC 75



Na colocação dos perfis FC72, proceder ao aparafusamento nos furos escareados, de forma a que o parafuso fique à face do perfil. Depois, então proceder, à colocação dos perfis FC73. Deve-se garantir que os rasgos escareados desta peça coincidam com os pré furos simples já feitos no perfil FC72.

When placing the profiles FC72, screw them into the countersunk holes so that the screw is flush with the profile. Then, proceed to the placement of profiles FC73. Ensure that the countersunk holes of this piece coincide with the single pre-drilled holes already made in profile FC72.

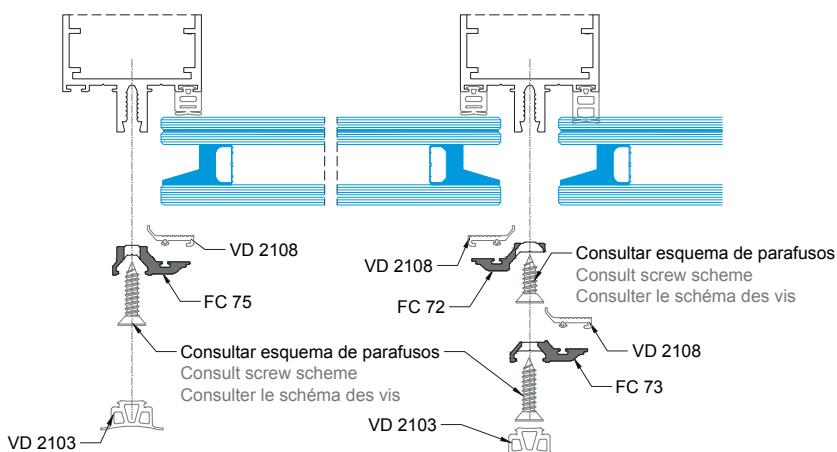
Lorsque vous placez les profilés FC72, vissez-les dans les trous fraisés de manière à ce que la vis soit au niveau du profilé. Ensuite, procédez à l'installation des profilés FC73. Veillez à ce que les trous fraisés de cette pièce coïncident avec les trous simples pré-percés déjà réalisés dans le profil FC72.



SEQUÊNCIA DE MONTAGEM DOS PERFIS FC 72, FC 73 E FC 75 E JUNTAS VD 2108 e VD 2103

FC 72, FC 73 E FC 75 PROFILES AND VD 2108 AND VD 2103 JOINTS ASSEMBLY SEQUENCE

SÉQUENCE D'ASSEMBLAGE DES PROFILÉS FC 72, FC 73 E FC 75 ET DES JOINTS VD 2108 ET VD 2103



MONTAGEM DOS PERFIS FC DEC

FC DEC PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS FC DEC

SEQUÊNCIA DE MONTAGEM

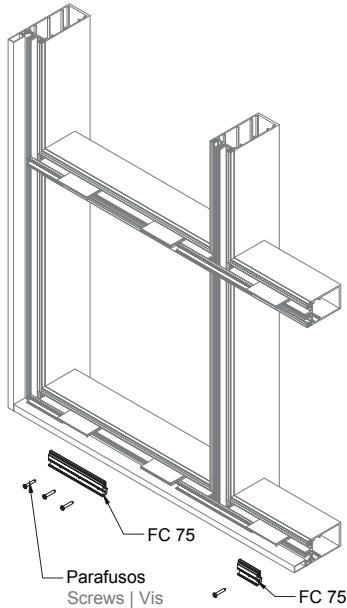
ASSEMBLY SEQUENCE

SÉQUENCE D'ASSEMBLAGE

- Após a montagem da estrutura da fachada em obra, com os vedantes interiores, suportes de vidro e as peças RF 015 aplicados, deveram ser fixas as primeiras peças FC 75 nas travessas de remate inferior. Proceder também a todos os trabalhos de remate às paredes laterais e remates superiores e inferiores.

After the facade structure has been assembled on site, with the interior seals, glass supports and RF 015 pieces applied, the first FC 75 pieces should be fixed to the bottom finishing transoms. All the finishing work on the side walls and the upper and lower trims should also be carried out.

Une fois la structure de la façade assemblée sur le chantier, avec les joints intérieurs, les supports de verre et les pièces RF 015 appliqués, les premières pièces FC 75 doivent être fixées aux traverses de finition inférieures. Tous les travaux de finition des parois latérales et des finitions supérieures et inférieures doivent également être réalisés.



- Aplicar a barra FC 75 de remate à parede e proceder à sua fixação.

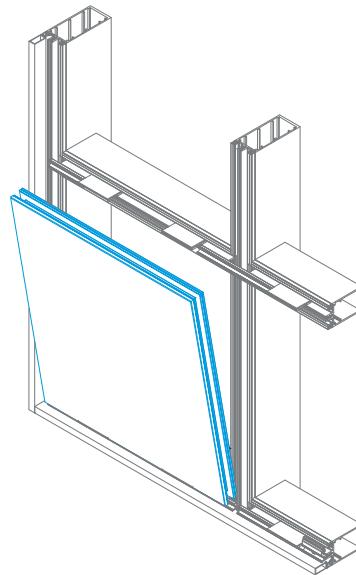
Apply the FC 75 finishing bar to the wall and fix it in place.

Appliquez la barre de finition FC 75 sur le mur et fixez-la en place.

- Proceder à colocação do primeiro vidro. A montagem dos vidros deverá ser por ordem sequencial da direita para a esquerda ou vice-versa e debaixo para cima. Este deverá ser encaixado nas peças FC 75 já aplicadas e posicionado lateralmente.

Proceed to the installation of the first glass pane. The glass must be assembled in sequential order from right to left or the other way round, and from bottom to top. This must be inserted into the already applied FC 75 pieces and positioned laterally.

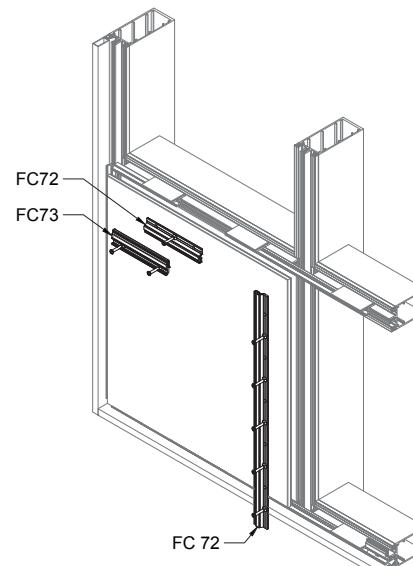
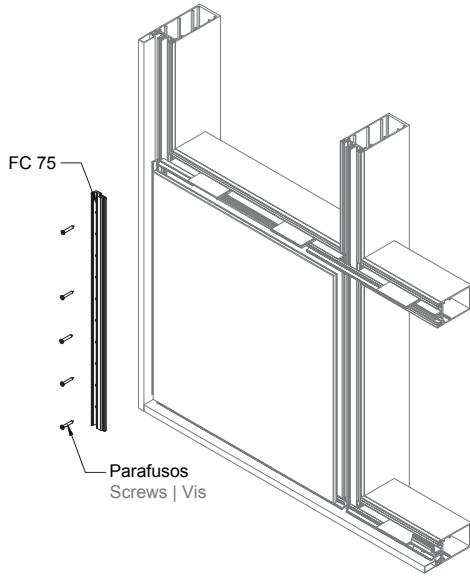
Procédez à la pose de la première vitre. Le verre doit être assemblé dans l'ordre séquentiel de droite à gauche ou vice versa et de bas en haut. Celle-ci doit être insérée dans les pièces FC 75 déjà appliquées et positionnée latéralement.



- Proceder depois à aplicação dos restantes perfis. Lateralmente aplicar o perfil inferior aparafusado nos furos escareados. Na parte superior aplicar a par de perfis FC72 e FC73 de forma sequencial.

Then apply the remaining profiles. Apply the bottom profile to the side, screwed into the countersunk holes. On the top, apply the pair of profiles FC72 and FC73 in sequence.

Appliquez ensuite les autres profilés. Appliquez le profilé inférieur sur le côté, vissé dans les trous fraisés. Sur le dessus, appliquez la paire de profilés FC72 et FC73 en séquence.



MONTAGEM DOS PERFIS FC DEC

FC DEC PROFILES ASSEMBLY

ASSEMBLAGE DES PROFILÉS FC DEC

SEQUÊNCIA DE MONTAGEM

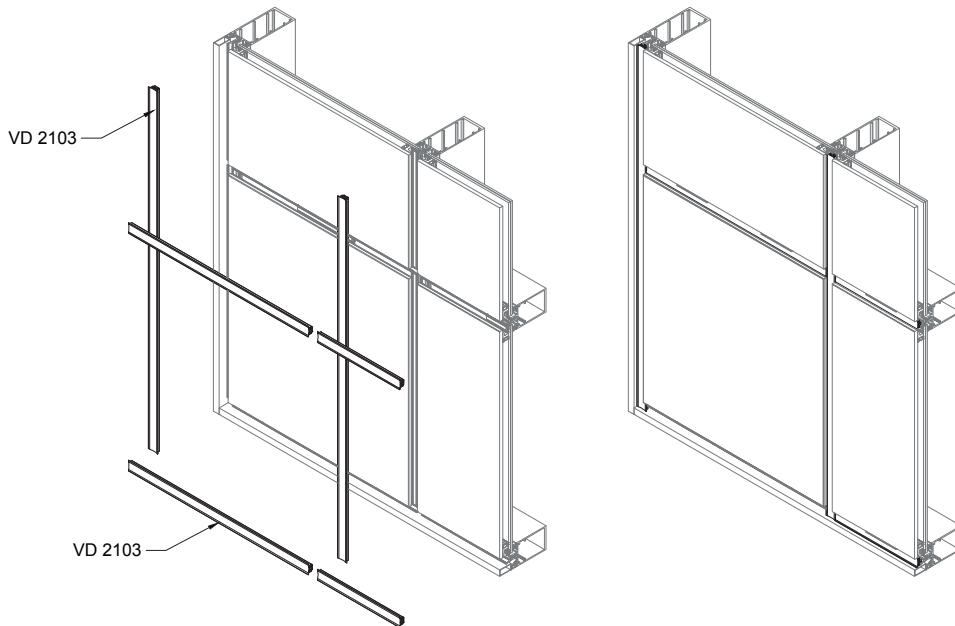
ASSEMBLY SEQUENCE

SÉQUENCE D'ASSEMBLAGE

- Após aplicação dos panos de vidro na sua totalidade, proceder aplicação da junta 2103 entre vidros.

After the application of the glass panes in their entirety, proceed with the application of gasket 2103 between glass panes.

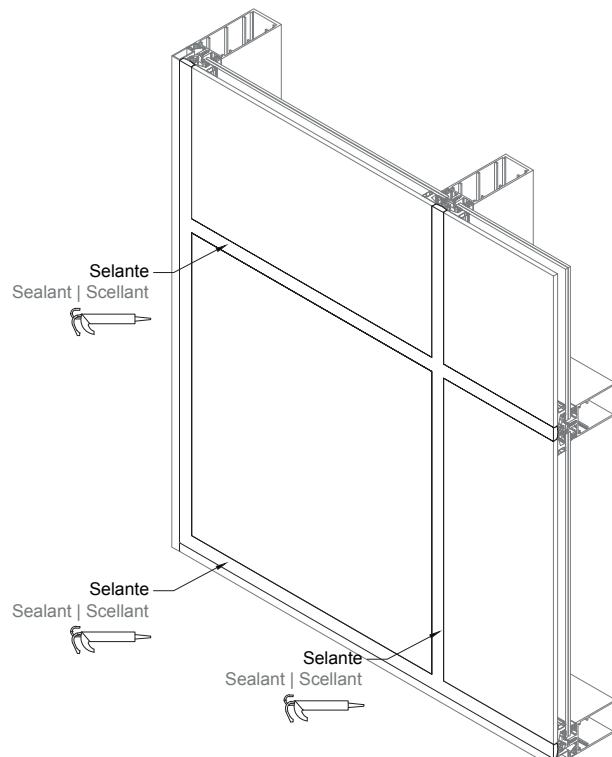
Après l'application des vitres dans leur intégralité, procéder à l'application du joint 2103 entre les vitres.



- No final, proceder a aplicação de silicone entre vidros sobre o vedante VD 2078. O silicone preferencial deverá ser à prova de intempéries e de grande desempenho do tipo DC791 ou WS-605S.

Finally, precede the application of interglazing silicone over VD 2078 gasket. The preferred silicone must be weatherproof and high performance, of the type DC791 or WS-605S.

Enfin, précéder l'application du silicone d'interglaçage sur le joint VD 2078. Le silicone préféré doit être résistant aux intempéries, de haute performance, type DC791 ou WS-605S.



X . 3

Montagem de ferragens e acessórios
Hardware and accessories assembly
Assamblage des serrures et accessoires

APLICAÇÃO DOS COMPASSOS PROJETANTES E PARALELOS
FRICTION STAYS AND PARALLEL STAYS APPLICATION
APPLICATION DES COMPAS À L'ITALIENNE ET D'OUVERTURE PARALLÈLE

APLICAÇÃO DOS COMPASSOS PROJETANTES
FRICTION STAYS APPLICATION
APPLICATION DES COMPAS À L'ITALIENNE

Código Code Code	Designação Designation Nomination	Sistema System Système	Largura Width Largeur min. - max. (mm)	Altura Height Hauteur min. - max. (mm)	Peso máximo Maximum weight Poids maximal (kg)	Angulo abertura Opening angle Angle d'ouverture (°)
212228	Conjunto braço projetante 18011 Friction stay Compas	FC Estrutural Capped curtain wall Mur rideau Traditionnelle	500 - 1500	500 - 1200	80	30° / 25° *
212218	Conjunto braço projetante 18012 Friction stay Compas	FC Estrutural Capped curtain wall Mur rideau Traditionnelle	500 - 2200	1200 - 2200	130	20° / 15° * / 10° *
212236	Conjunto braço projetante STP22W Friction stay Compas	FC Estrutural Cap. curt. wall Mur rideau Tradition. e and et FC DEC	---	1000 - 2000	100	20°
212021	Conjunto braço projetante ST 26 Friction stay Compas	FC Estrutural Cap. curt. wall Mur rideau Tradition. e and et FC DEC	---	2000 - 2500	180 +	20°

* Com limitador de abertura

With opening limiter | Avec limiteur d'ouverture

+ A aplicação do KIT AJUSTÁVEL ST 280 (Refº 223007) é obrigatória em folhas de peso superior a 100Kg

The application of the ST 280 ADJUSTABLE KIT (Ref. 223007) is mandatory in sashes weighing more than 100Kg

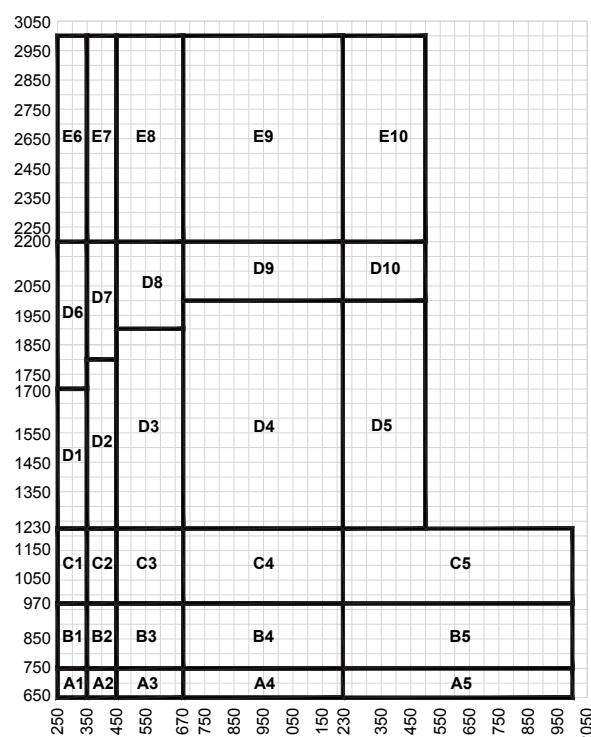
L'application du KIT ADJUSTABLE ST 280 (Réf. 223007) est obligatoire pour les vantaux dont le poids est supérieur à 100Kg

APLICAÇÃO DOS COMPASSOS PARALELOS

PARALLEL STAYS APPLICATION

APPLICATION DES COMPAS D'OUVERTURE PARALLÈLE

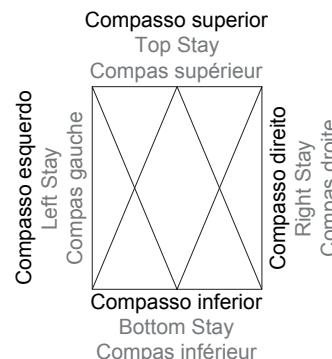
Compassos laterais - Direitos e Esquerdos Lateral Stays - Rights and Lefts Compas latéraux - Droites et Gauches					Compassos - Superiores e Inferiores Stays - Top and Bottom Compas - Supérieurs et inférieurs		
	Esquerdo Left Gauche	Direito Right Droite	Limitadores Stops Limiteurs	Peso máx. Max. weight Poids max.		Superior Top Supérieur	Inferior Bottom Inférieur
A	1 x 350E	1 x 350D	2 x C8700	100Kg	1	1 x 250D	
B	1 x 450E	1 x 450D	2 x C8571	100Kg	2	1 x 350D	
C	1 x 670E	1 x 670D	2 x C8688	200Kg	3	1 x 450D	
D	1 x 950E	1 x 950D	2 x C8571	200Kg	4	1 x 670D	
E	2 x 950E	2 x 950D	4 x C8571	200Kg	5	1 x 950D	
					6	1 x 250D	1 x 250D
					7	1 x 350D	1 x 350D
					8	1 x 450D	1 x 450D
					9	1 x 670D	1 x 450D
					10	1 x 950D	1 x 450D



Nota: Substituir o limitador C8571 pelo limitador C8701 quando se usar o compasso 250D na posição superior e inferior.

Note: Replace the C8571 stop with C8701stop when using the 250D stay in the upper and lower position.

Remarque : Remplacer le limiteur C8571 par le limiteur C8701 lorsque le compas 250D est utilisé en position haute et basse.



FURAÇÃO PARA APLICAÇÃO DO COMPASSO 18011 NOS PERFIS FC 63 E FC 79

DRILLING FOR FRICTION STAY 18011 APPLICATION ON FC 63 AND FC 79 PROFILES

PERÇAGE POUR L'APPLICATION DU COMPAS 18011 DANS LES PROFILÉS FC 63 ET FC 79

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites rosados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

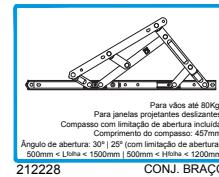
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{ mm}$).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.

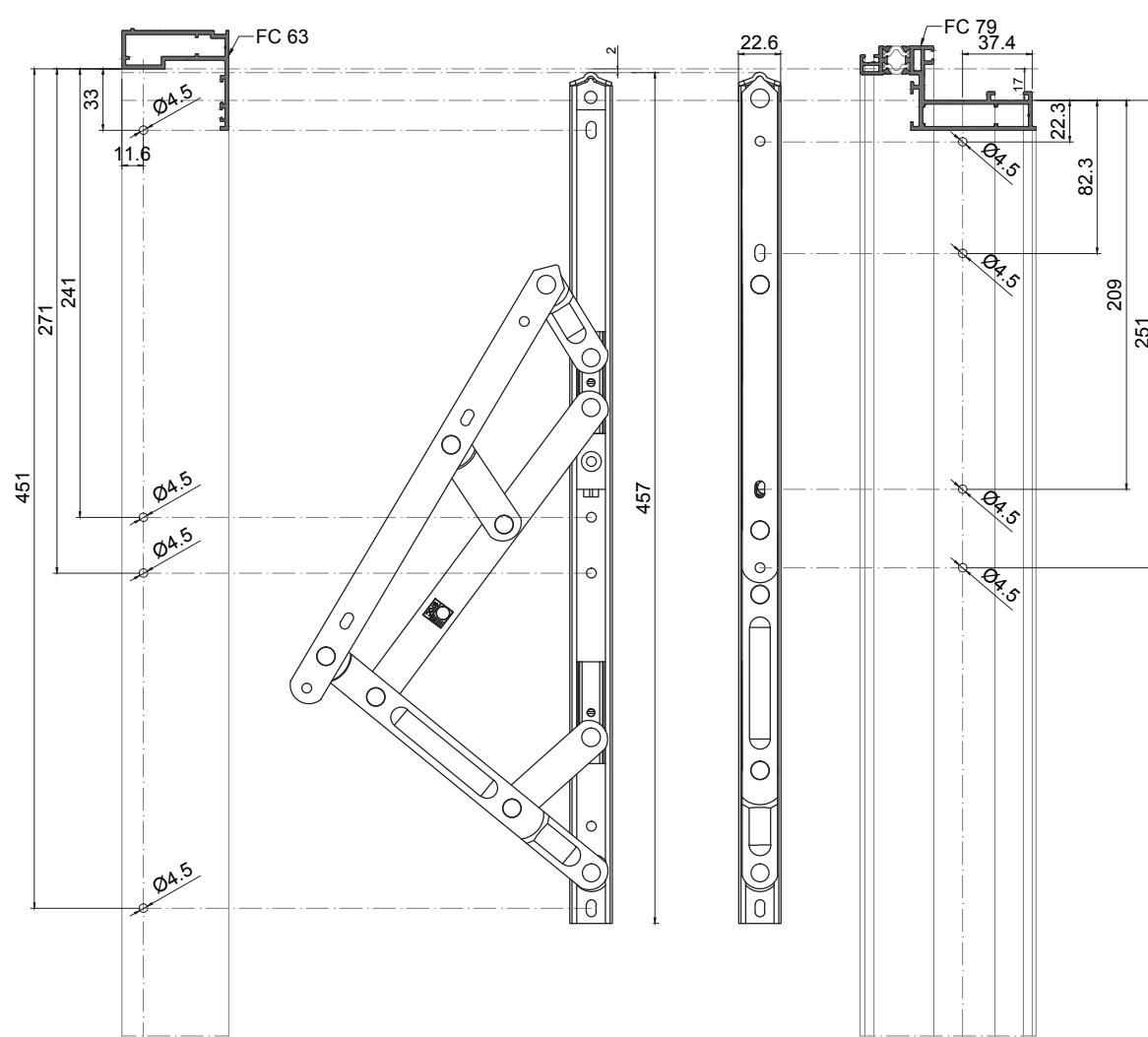


212228 CONJ. BRAÇO
PROJETANTE 18011

ESTE COMPASSO NÃO É FUNCIONAL NA SOLUÇÃO PROJECTANTE FC-DEC

THIS FRICTION STAY IS NOT FUNCTIONAL IN THE PROJECTING SOLUTION FC-DEC

CETTE BUSE N'EST PAS FONCTIONNELLE DANS LA SOLUTION DE PROJECTION FC-DEC



Para vãos até 80Kg:

Ângulo de abertura: 30°/25°(com limitador de abertura)

500mm < Largura folha < 1500mm

500mm < Altura folha < 1200mm

For spans up to 80Kg:

Opening angle: 30°/25°(with opening limiter)

500mm < Sahs width <1500mm

500mm < Sash height <1200mm

Pour les travées jusqu'à 80Kg:

Angle d'ouverture : 30°/25°(avec limiteur d'ouverture)

500mm < Largeur vantail < 1500mm

500mm < Hauteur vantail < 1200mm

NOTA: Esta informação é meramente indicativa dado que se trata de documentos produzidos através de desenhos teóricos e não dispensa de prévio ensaio das cotas e furações, mediante o espécime fornecido.

NOTE: This information is merely indicative, given that these are documents produced by theoretical drawings and does not exempt from previous testing of dimensions and drillings, by means of the specimen supplied.

NOTE: Ces informations sont purement indicatives, les documents étant réalisés à partir de dessins théoriques et ne dispensent pas d'un contrôle préalable des dimensions et des perçages, au moyen de l'échantillon fourni.

FURAÇÃO PARA APLICAÇÃO DO COMPASSO 18011 NOS PERFIS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 E FC65

DRILLING FOR FRICTION STAY 18011 APPLICANTION ON FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 AND FC65 PROFILES

PERÇAGE POUR L'APPLICATION DO COMPAS 18011 DANS LES PROFILÉS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 ET FC65

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites rosados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

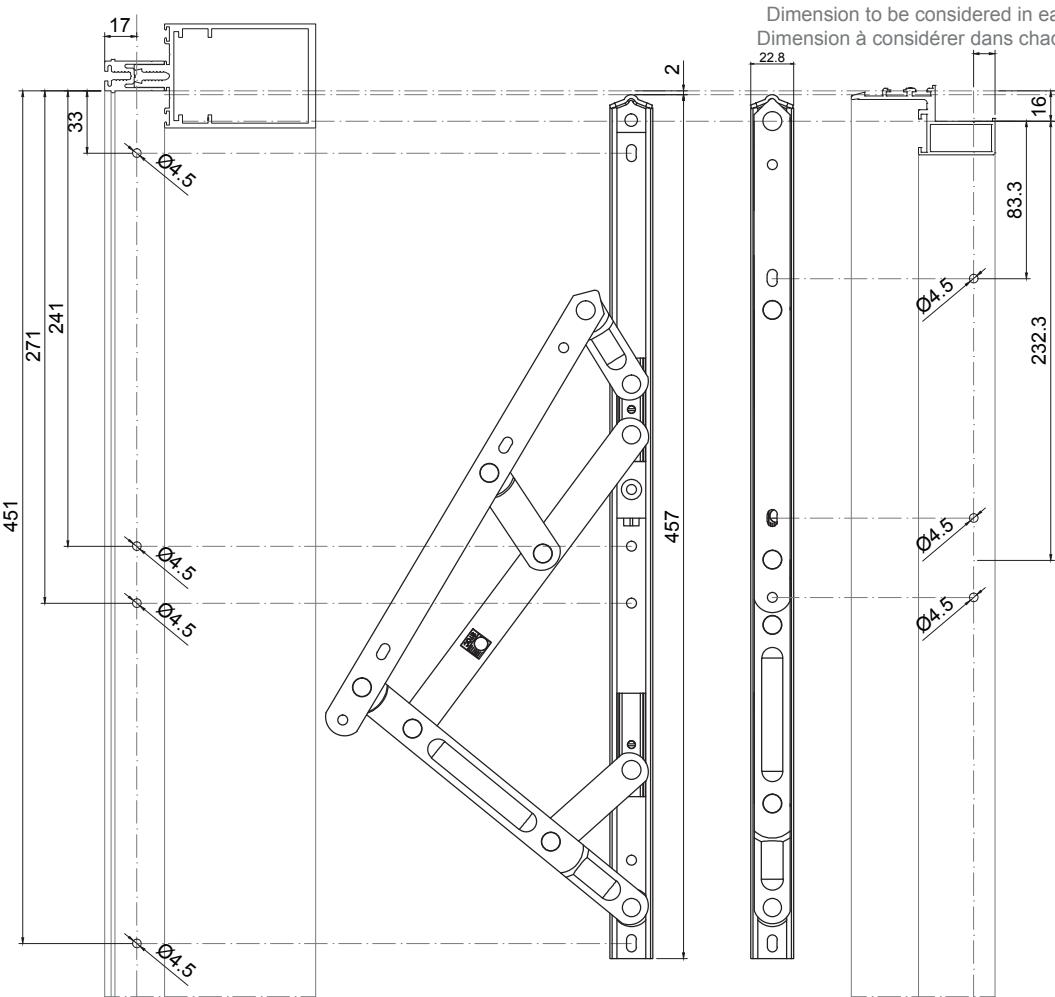
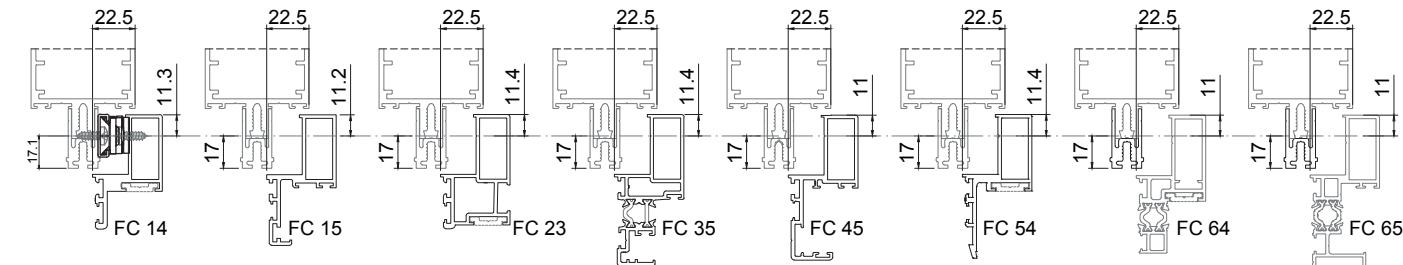
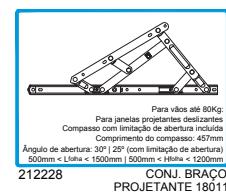
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Applique le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{ mm}$).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Para vãos até 80Kg:

Ângulo de abertura: 30°/25°(com limitador de abertura)
500mm < Largura folha < 1500mm
500mm < Altura folha < 1200mm

For spans up to 80Kg:

Opening angle: 30°/25°(with opening limiter)
500mm < Sabs width <1500mm
500mm < Sash height <1200mm

Pour les travées jusqu'à 80kg:

Angle d'ouverture : 30°/25°(avec limiteur d'ouverture)
500mm < Largeur vantail < 1500mm
500mm < Hauteur vantail < 1200mm

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FURAÇÃO PARA APLICAÇÃO DO COMPASSO 18012 NOS PERFIS FC 63 E FC 79

DRILLING FOR FRICTION STAY 18012 APPLICANTION ON FC 63 AND FC 79 PROFILES

PERÇAGE POUR L'APPLICATION DU COMPAS 18012 DANS LES PROFILÉS FC 63 ET FC 79

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites roscados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

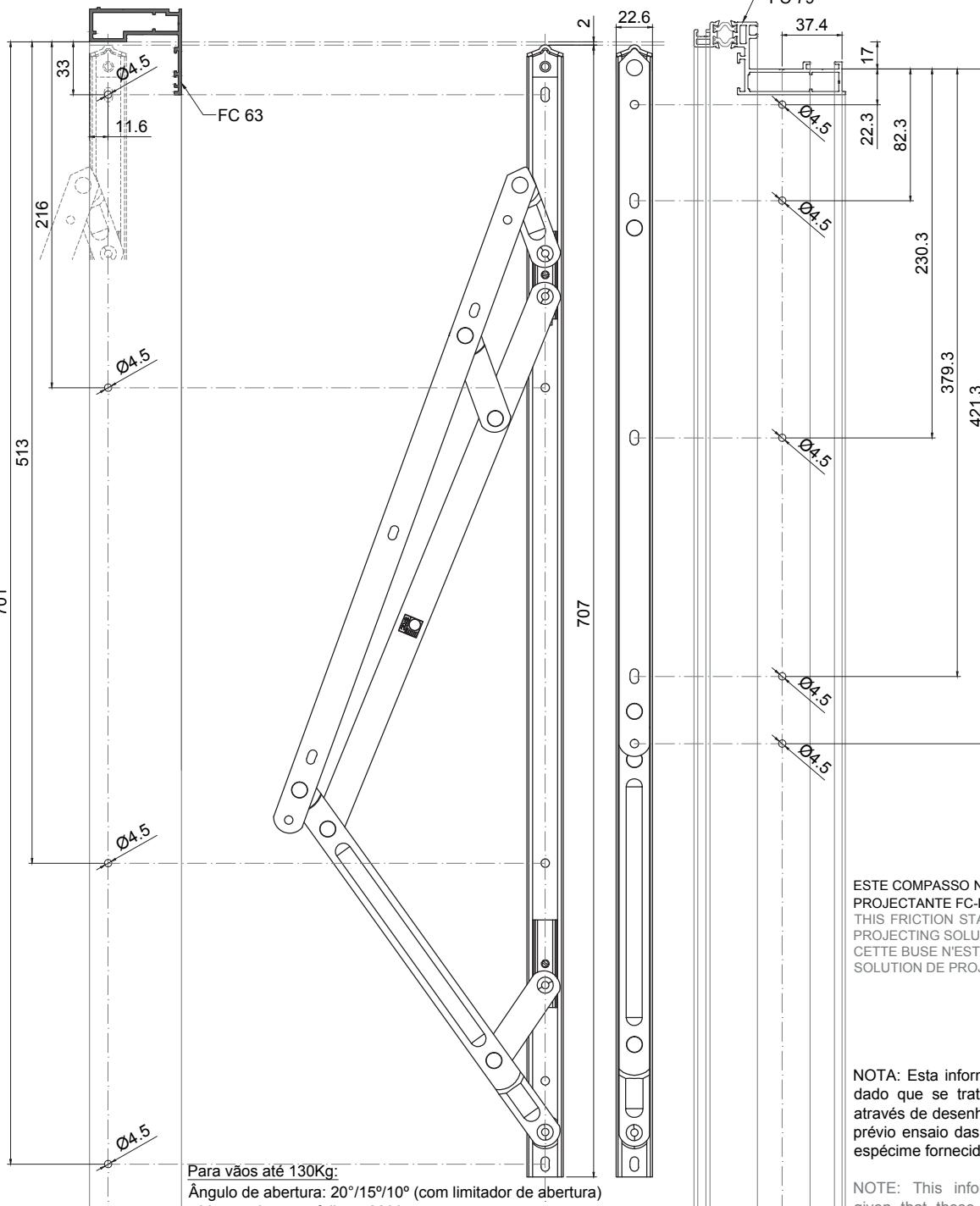
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

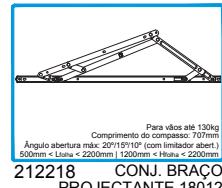
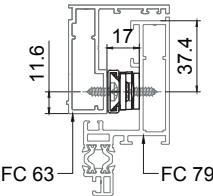
Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{ mm}$).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Para vãos até 130Kg:
Ângulo de abertura: 20°/15°/10° (com limitador de abertura)
500mm < Largura folha < 2200mm
1200mm < Altura folha < 2200mm
For spans up to 130Kg:
Opening angle: 20°/15°/10° (with opening limiter)
500mm < Sahs width <2200mm
1200mm < Sash height <2200mm
Pour les travées jusqu'à 130Kg:
Angle d'ouverture : 20°/15°/10° (avec limiteur d'ouverture)
500mm < Largeur vantail < 2200mm
1200mm < Hauteur vantail < 2200mm



212218 CONJ. BRAÇO
PROJECTANTE 18012

ESTE COMPASSO NÃO É FUNCIONAL NA SOLUÇÃO
PROJECTANTE FC-DEC
THIS FRICTION STAY IS NOT FUNCTIONAL IN THE
PROJECTING SOLUTION FC-DEC
CETTE BUSE N'EST PAS FONCTIONNELLE DANS LA
SOLUTION DE PROJECTION FC-DEC

NOTA: Esta informação é meramente indicativa
dado que se trata de documentos produzidos
através de desenhos teóricos e não dispensa de
prévio ensaio das cotas e furações, mediante o
espécime fornecido.

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means of the specimen supplied.

NOTE: Ces informations sont purement
indicatives, les documents étant réalisés à partir
de dessins théoriques et ne dispensent pas d'un
contrôle préalable des dimensions et des
perçages, au moyen de l'échantillon fourni.

FURAÇÃO PARA APLICAÇÃO DO COMPASSO 18012 NOS PERFIS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 E FC65

DRILLING FOR FRICTION STAY 18012 APPLICATION ON FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 AND FC65 PROFILES

PERÇAGE POUR L'APPLICATION DU COMPAS 18012 DANS LES PROFILÉS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 ET FC65

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites roscados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

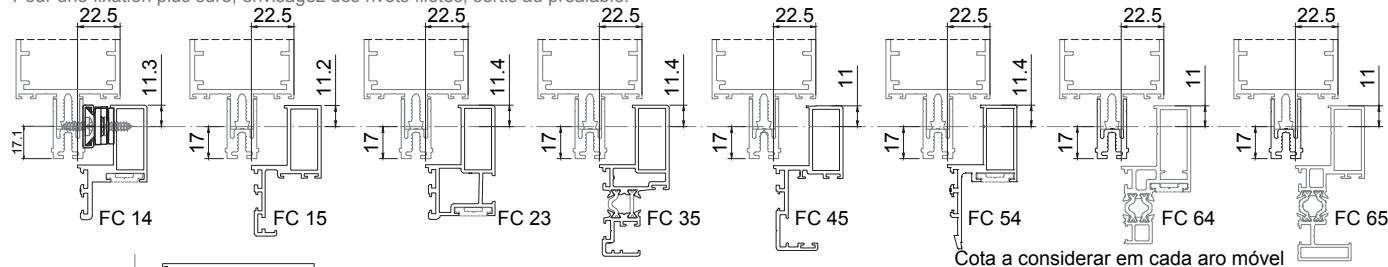
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Applique le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{mm}$).

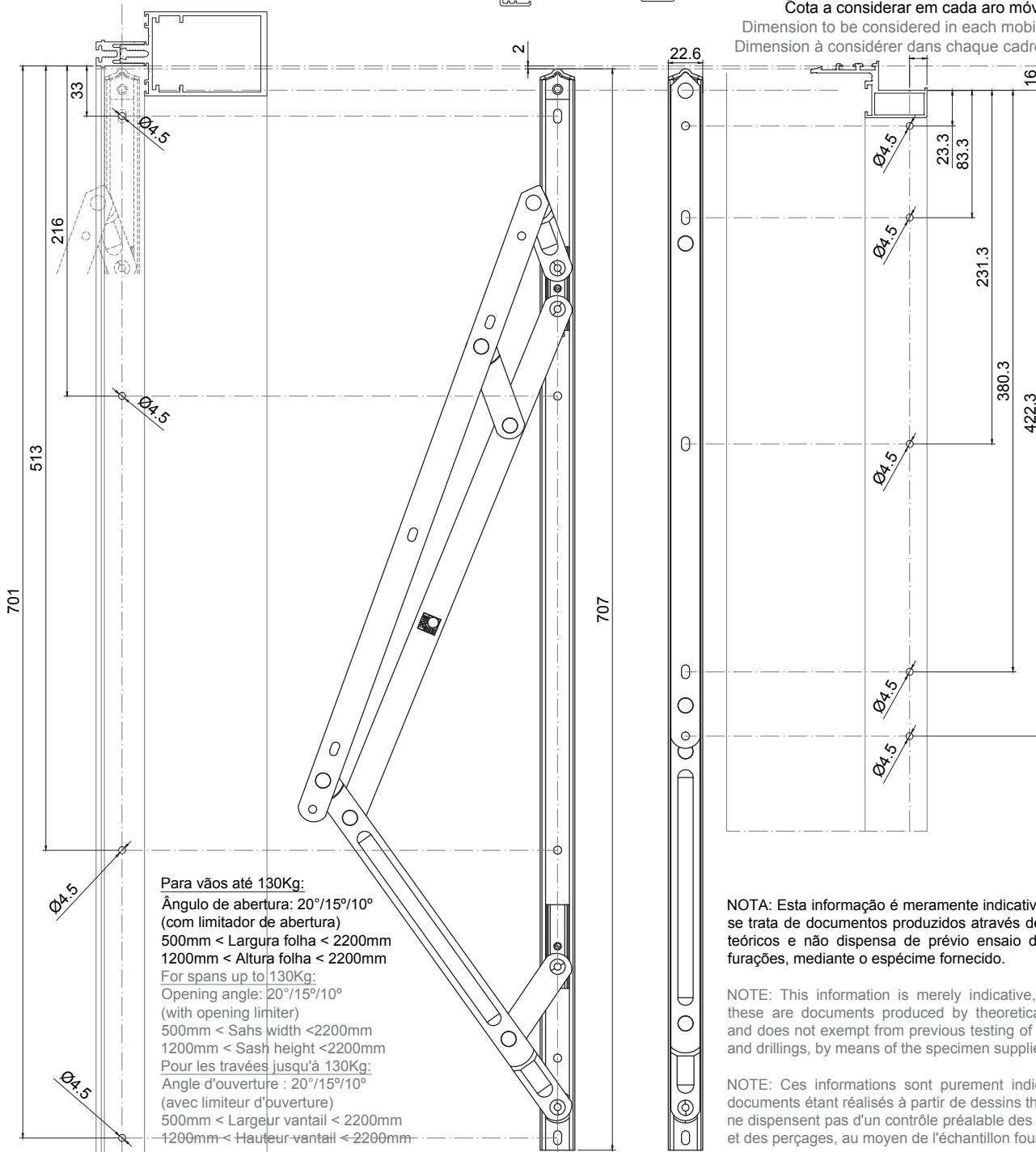
Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Para vãos até 130kg
Comprimento do compasso: 707mm
Ângulo abertura máx: 20°/15°/10° (com limitador aberto)
500mm < Lâmina < 2200mm / 1200mm < Altura < 2200mm

212218 CONJ. BRAÇO
PROJECTANTE 18012



Para vãos até 130Kg:

Ângulo de abertura: 20°/15°/10°
(com limitador de abertura)
500mm < Largura folha < 2200mm
1200mm < Altura folha < 2200mm

For spans up to 130Kg:

Opening angle: 20°/15°/10°
(with opening limiter)
500mm < Sash width < 2200mm
1200mm < Sash height < 2200mm

Pour les travées jusqu'à 130Kg:

Angle d'ouverture : 20°/15°/10°
(avec limiteur d'ouverture)
500mm < Largeur vantail < 2200mm
1200mm < Hauteur vantail < 2200mm

NOTA: Esta informação é meramente indicativa dado que se trata de documentos produzidos através de desenhos teóricos e não dispensa de prévio ensaio das cotas e furações, mediante o espécime fornecido.

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FURAÇÃO PARA APLICAÇÃO DO COMPASSO STP22W NOS PERFIS FC 78/63 E FC 79

DRILLING FOR FRICTION STAY STP22W APPLICATION ON FC 78/63 AND FC 79 PROFILES

PERÇAGE POUR L'APPLICATION DU COMPAS STP22W DANS LES PROFILÉS FC 78/63 ET FC 79

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites rosados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

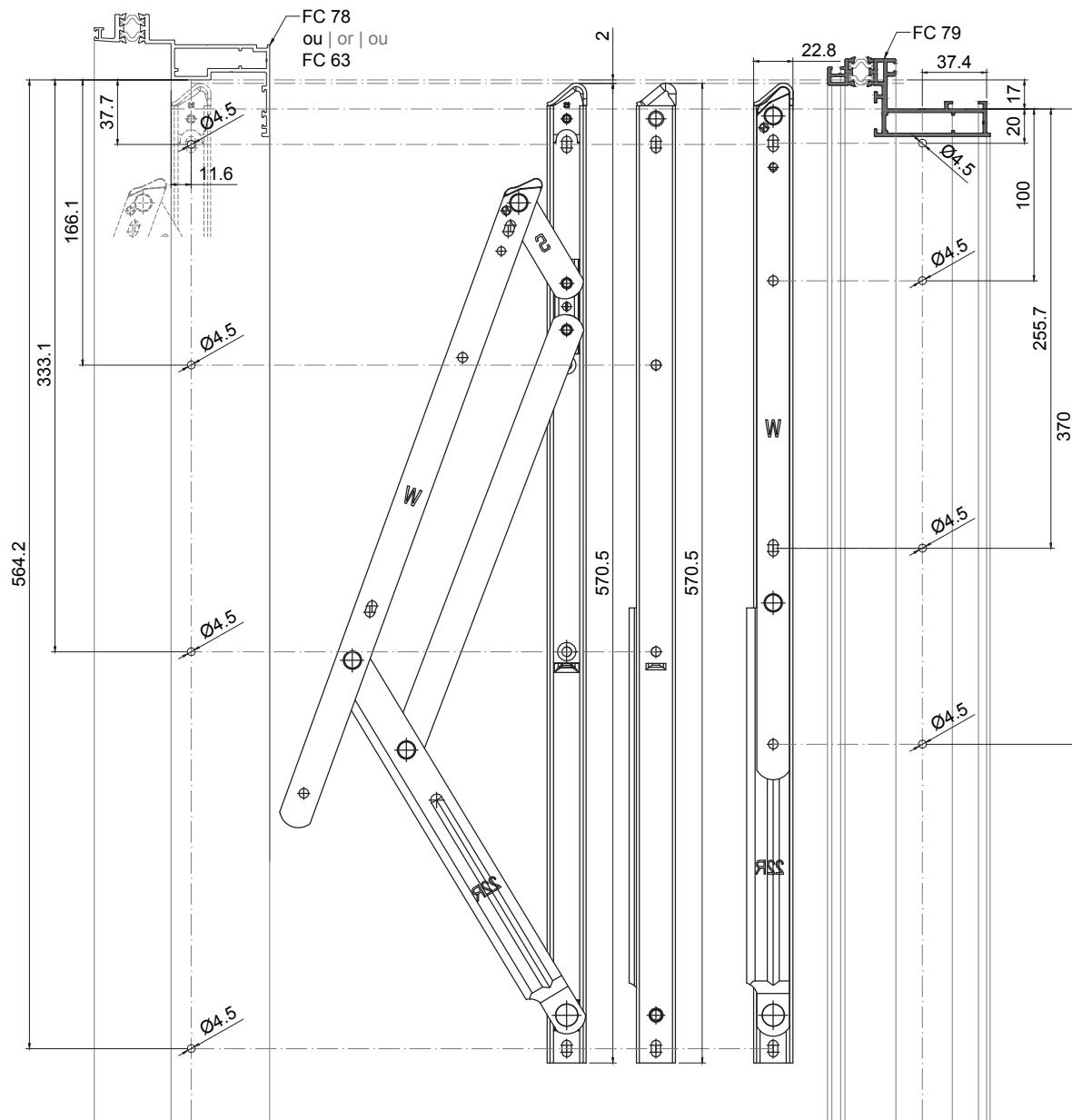
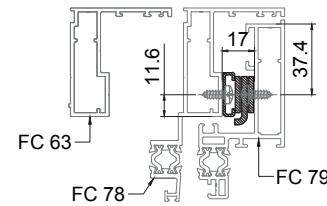
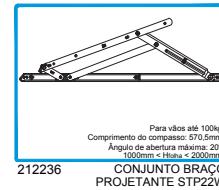
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{ mm}$).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Para vãos até 100Kg:

Ângulo de abertura: 20°

1000mm < Altura folha < 2000mm

For spans up to 100Kg:

Opening angle: 20°

1000mm < Sash height < 2000mm

Pour les travées jusqu'à 100Kg:

Angle d'ouverture : 20°

1000mm < Hauteur vantail < 2000mm

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FURAÇÃO PARA APLICAÇÃO DO COMPASSO STP22W NOS PERFIS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 E FC65

DRILLING FOR FRICTION STAY STP22W APPLICATION ON FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 AND FC65 PROFILES

PERÇAGE POUR L'APPLICATION DU COMPAS STP22W DANS LES PROFILÉS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 ET FC65

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites roscados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{mm}$).

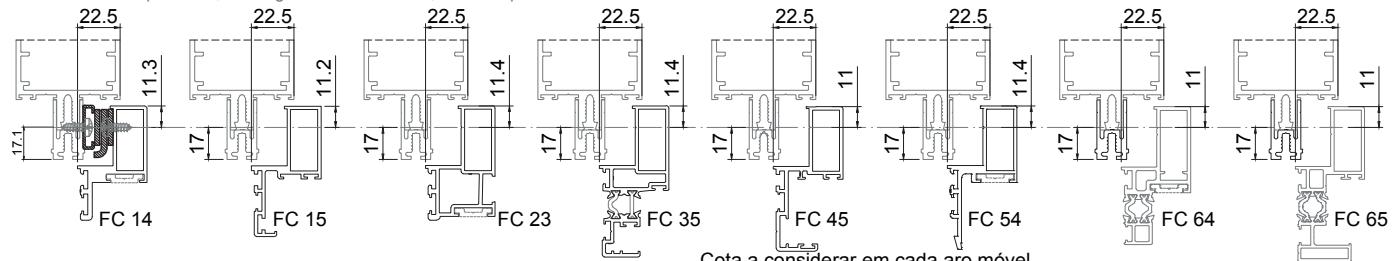
Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



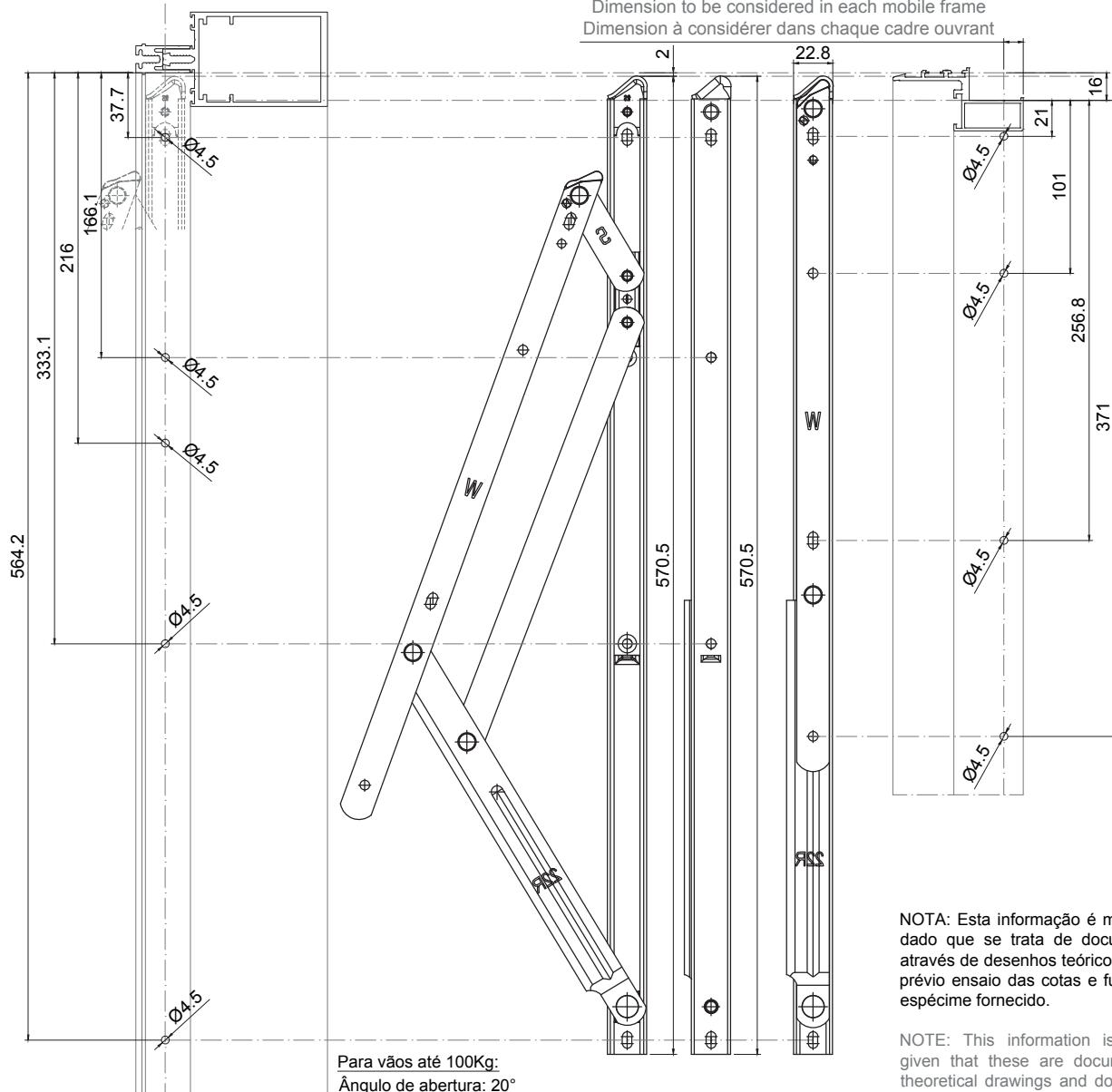
Para vãos até 100kg
Comprimento do compasso: 570,5mm
Ângulo de abertura máxima: 20°
1000mm < Altura < 2000mm

212236 CONJUNTO BRAÇO PROJETANTE STP22W



Cota a considerar em cada aro móvel

Dimension to be considered in each mobile frame
Dimension à considérer dans chaque cadre ouvrant



Para vãos até 100Kg:

Ângulo de abertura: 20°

1000mm < Altura folha < 2000mm

For spans up to 100Kg:

Opening angle: 20°

1000mm < Sash height <2000mm

Pour les travées jusqu'à 100Kg:

Angle d'ouverture : 20°

1000mm < Hauteur vantail < 2000mm

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FURAÇÃO PARA APLICAÇÃO DO COMPASSO STP26 NOS PERFIS FC 78/63 E FC 79

DRILLING FOR FRICTION STAY STP26 APPLICATION ON FC 78/63 AND FC 79 PROFILES

PERÇAGE POUR L'APPLICATION DU COMPAS STP26 DANS LES PROFILÉS FC 78/63 ET FC 79

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites roscados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

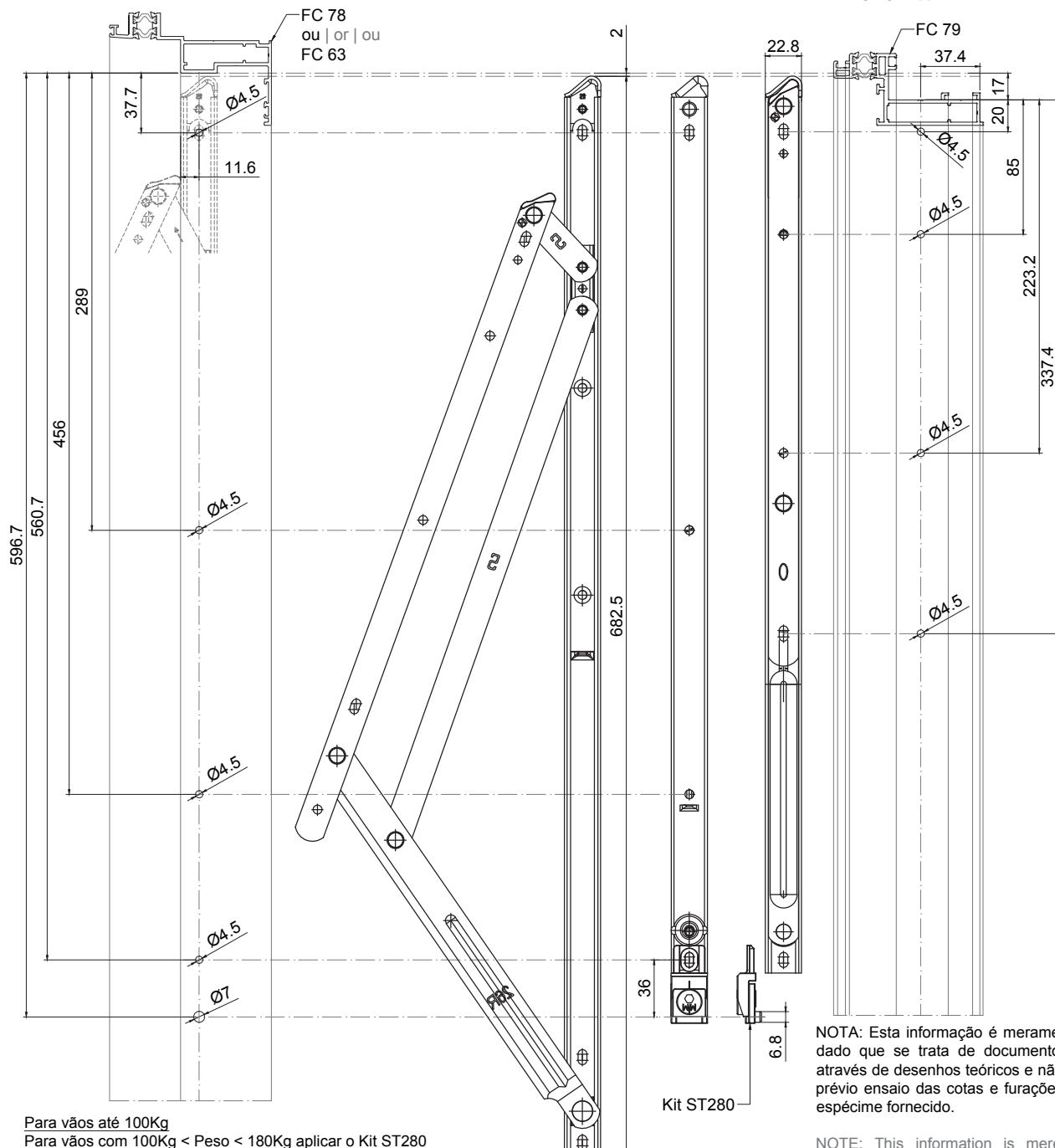
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{ mm}$).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Para vãos até 100Kg

Para vãos com 100Kg < Peso < 180Kg aplicar o Kit ST280

Ângulo de abertura: 20°

2000mm < Altura folha < 2500mm

For spans up to 100Kg

For spans with 100Kg < Weight < 180Kg apply Kit ST280

Opening angle: 20°

2000mm < Sash height < 2500mm

Pour les travées jusqu'à 100Kg

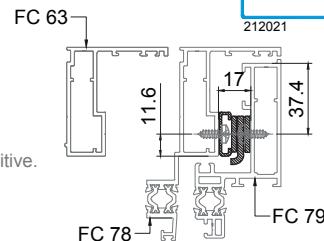
Pour les travées avec 100Kg < Poids < 180Kg, appliquer le Kit ST280

Angle d'ouverture : 20°

2000mm < Hauteur vantail < 2500mm



CONJ. BRAÇO
PROJETANTE STP26



FC 78

FC 63

FC 79

212021

CONJ. BRAÇO

PROJETANTE STP26

Para vãos com peso superior a 100Kg e até 180Kg
aplicar compasso com Kit ST280

Comprimento do compasso: 682.5mm

Ângulo de abertura máxima: 20°

2000mm < Altura folha < 2500mm

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FURAÇÃO PARA APLICAÇÃO DO COMPASSO STP26 NOS PERFIS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 E FC65

DRILLING FOR FRICTION STAY STP26 APPLICATION ON FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 AND FC65 PROFILES

PERÇAGE POUR L'APPLICATION DO COMPAS STP26 DANS LES PROFILÉS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 ET FC65

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de $\pm 2\text{mm}$).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.

Para uma fixação mais segura considerar rebites roscados, cravados previamente.

Apply the caliper 2mm from the top (to allow $\pm 2\text{mm}$ vertical taper).

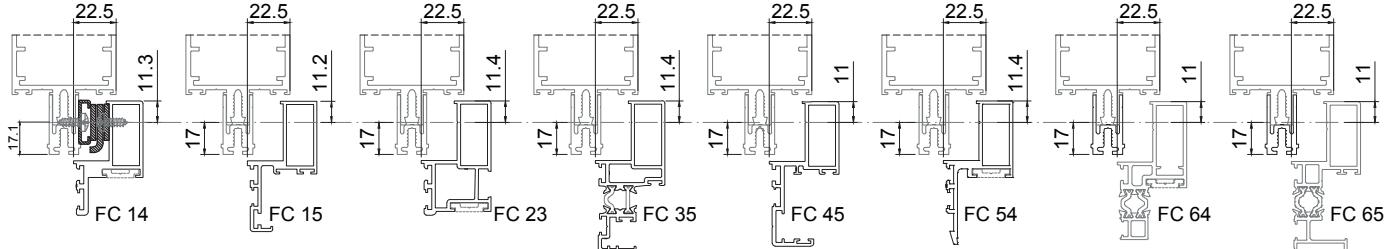
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de $\pm 2\text{ mm}$).

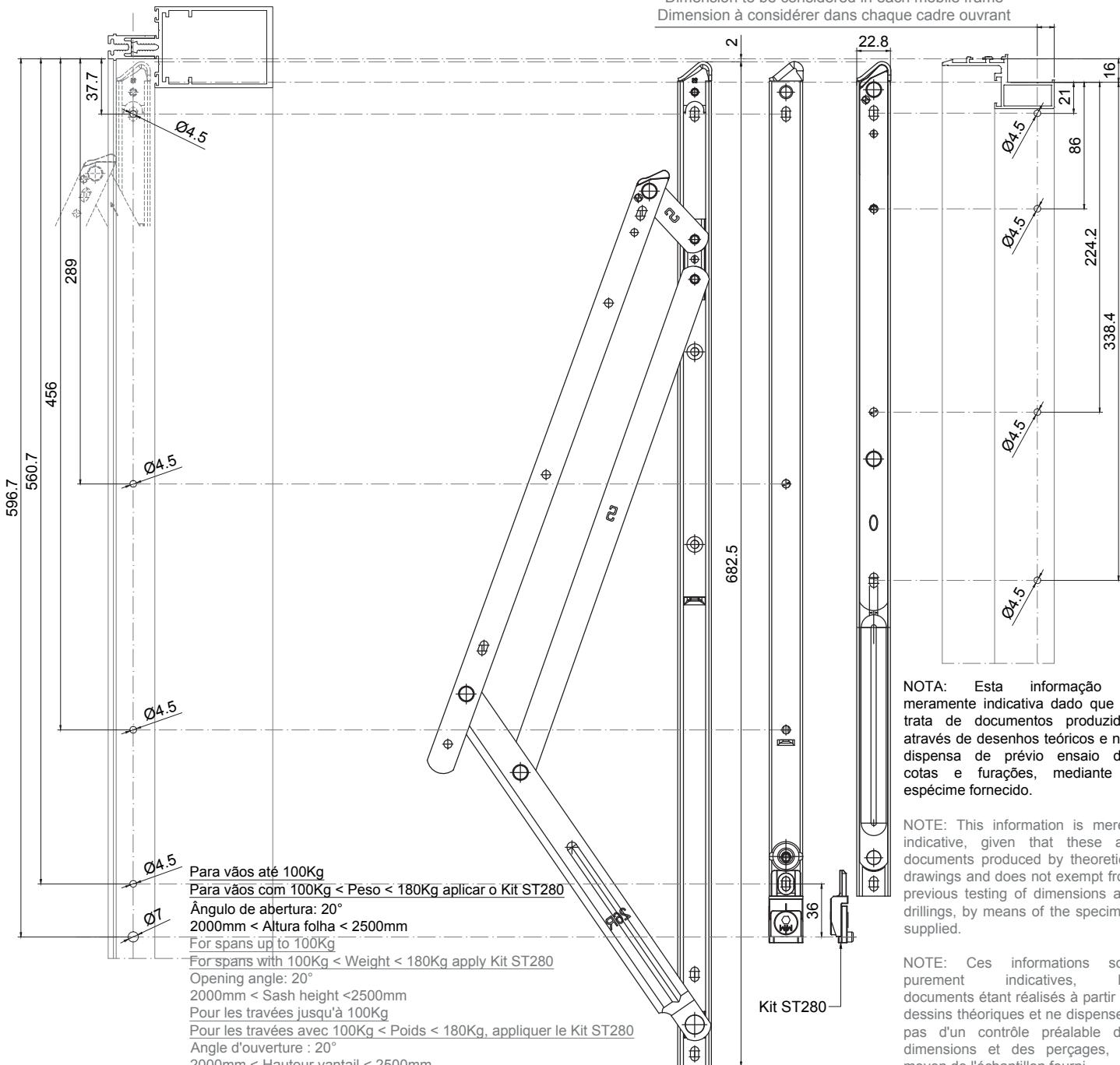
Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Cota a considerar em cada aro móvel

Dimension to be considered in each mobile frame
Dimension à considérer dans chaque cadre ouvrant



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FURAÇÃO P/ APLICAÇÃO DO COMP. HD16R TOP HUNG - PERFIS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 E FC65
 DRILLING FOR FRICTION STAY HD16R TOP HUNG APPLICATION ON FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 AND FC65 PROFILES
 PERÇAGE P/ L'APPLICATION DO COMP. HD16R TOP HUNG DANS LES PROFILÉS FC 14, FC 15, FC 23, FC 35, FC 45, FC 54, FC 64 ET FC65

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de ± 2 mm).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva.
 Para uma fixação mais segura considerar rebites rosados, cravados previamente.

Apply the caliper 2mm from the top (to allow ± 2 mm vertical taper).

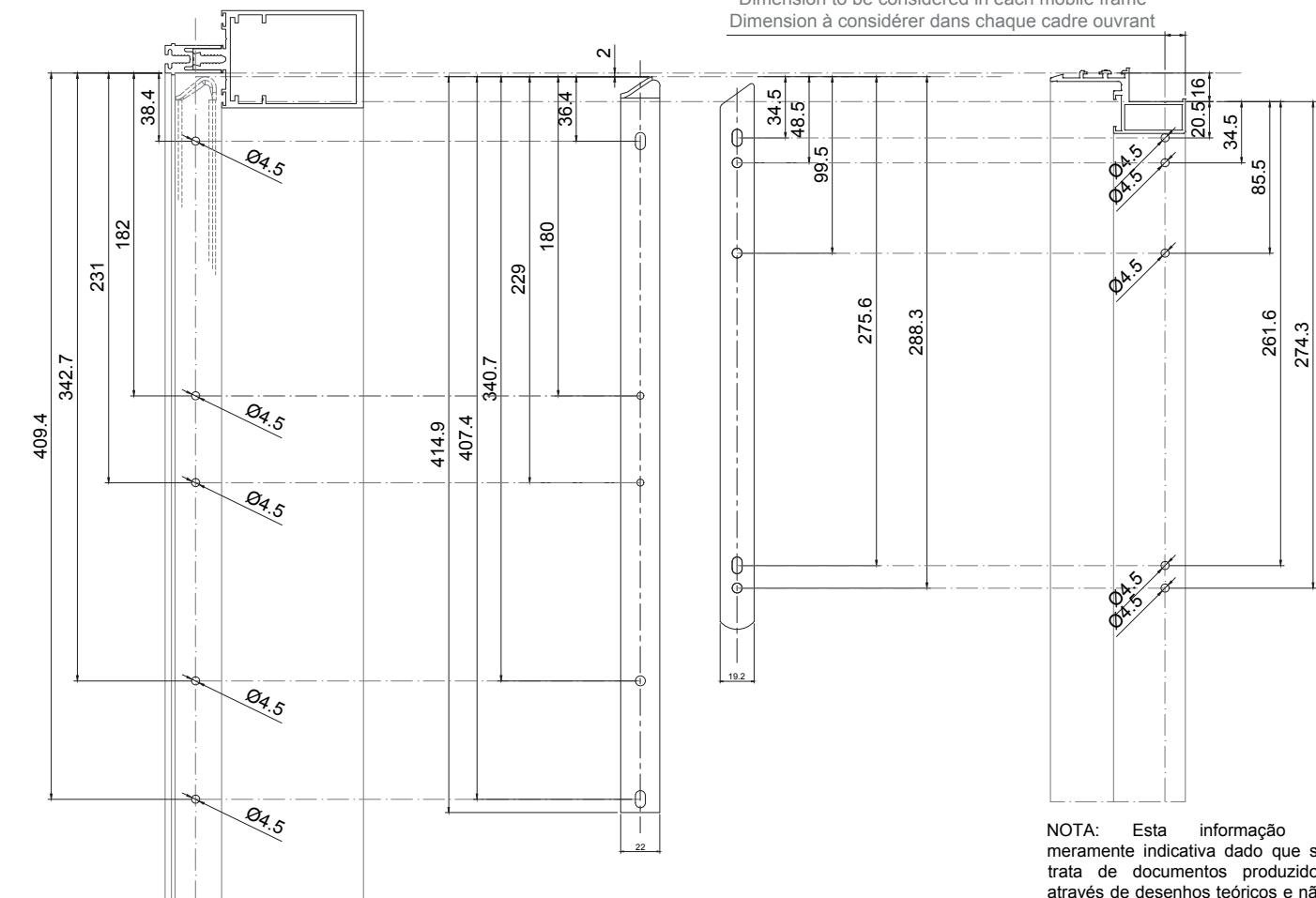
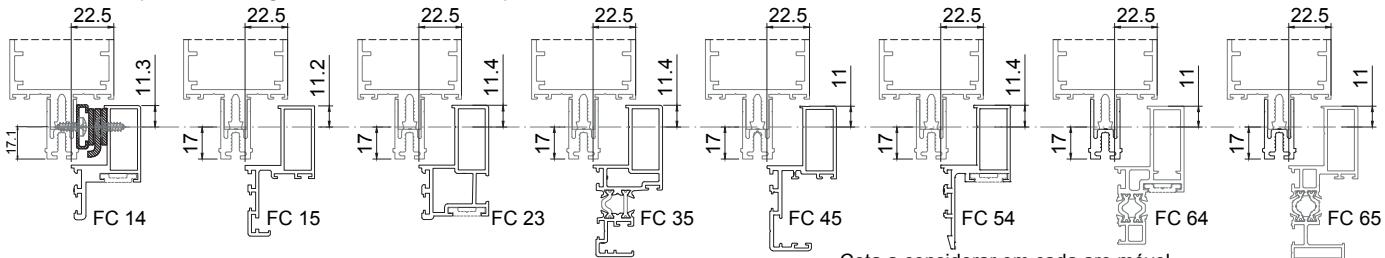
Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing.

For a more secure fixing consider threaded rivets, previously crimped.

Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de ± 2 mm).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive.

Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.



Para vãos até 100Kg/ 55Kg/ 50Kg

Ângulo de abertura: 30°/ 50°/ 90°

Largura folha máx. = 2000mm

Altura folha máx. = 800mm

For spans up to 100Kg/ 55Kg/ 50Kg

Opening angle: 30°/ 50°/ 90°

Sash width max. = 2000mm

Sash height max. = 800mm

Pour les travées jusqu'à 100Kg/ 55Kg/ 50Kg

Angle d'ouverture : 30°/ 50°/ 90°

Larguer vantail max.= 2000mm

Hauteur vantail max. = 800mm

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FURAÇÃO PARA APLICAÇÃO DOS COMPASSOS 250 E 350 NOS PERFIS FC 63, FC 78 E FC 79

DRILLING FOR FRICTION STAYS 250 AND 350 APPLICATION ON FC 63, FC 78 AND FC 79 PROFILES

PERÇAGE POUR L'APPLICATION DES COMPAS 250 ET 350 DANS LES PROFILÉS FC 63, FC 78 ET FC 79

Aplicar os compassos preferencialmente ao centro de cada altura ou largura do perfil. Quando aplicadas as manetas laterais prever a compatibilidade do dente da manete e as hastes do compasso, nos compassos simples. Sugere-se a fixação directa à barra de cremone, sem transmissor. Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva. Para uma fixação mais segura considerar rebites roscados, cravados previamente.

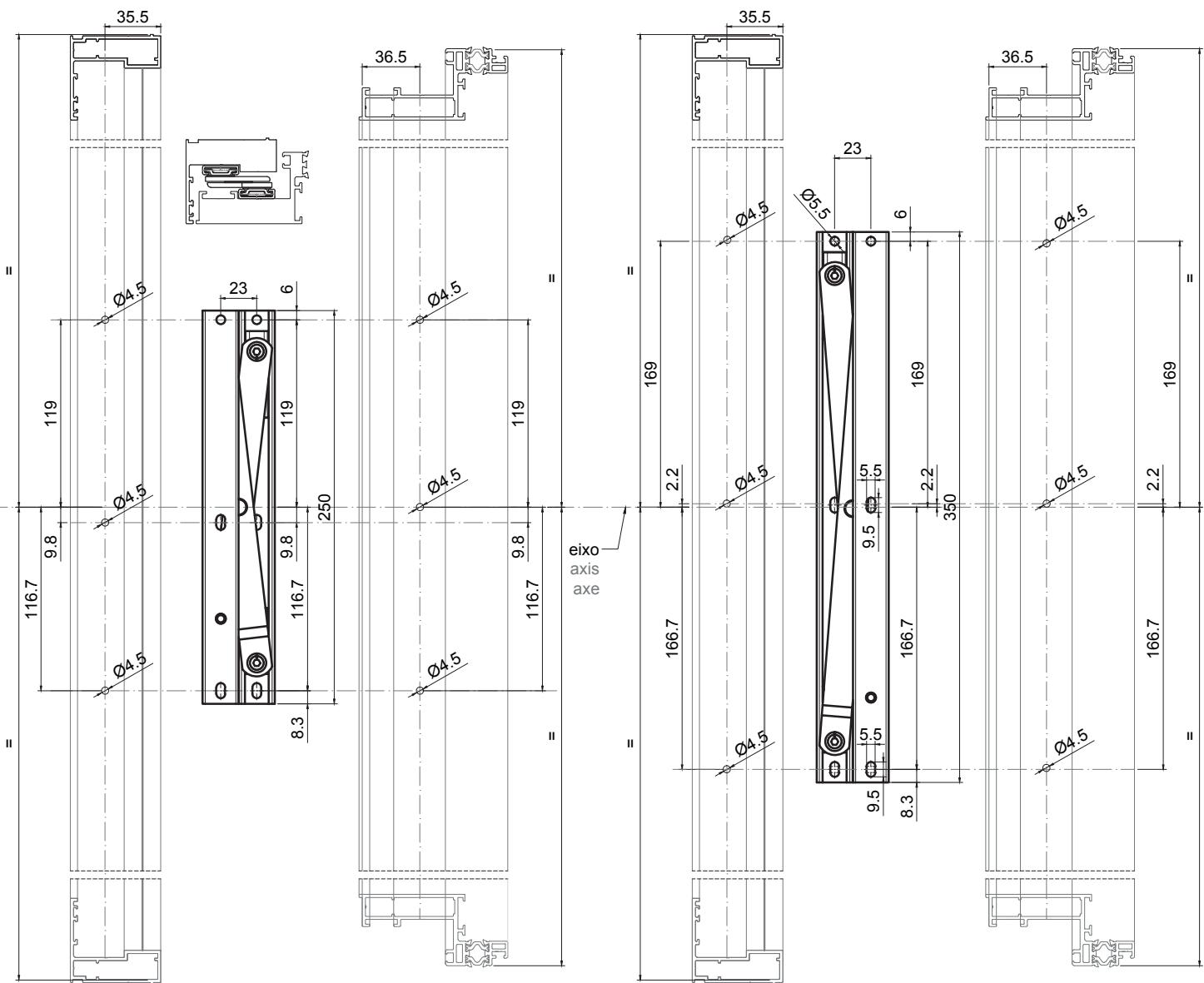
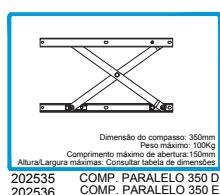
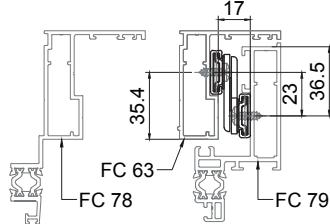
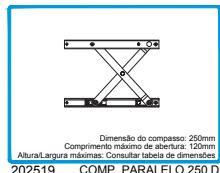
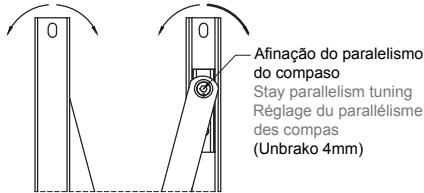
Apply the stays preferably in the centre of each height or width of the profile. When applying the side levers, ensure compatibility between the levers' teeth and the tie bars, in simple stay models. We suggest attaching directly to the cremone bar, without a transmitter. Pre-drill all oval slots to allow for tuning, fix in the remaining holes for a definitive fixation. For a more secure fastening, consider threaded rivets, previously nailed.

Appliquez les compas de préférence au centre de chaque hauteur ou largeur du Profilé. Lors de l'application des leviers latéraux, assurez-vous de la compatibilité entre les dents du levier et les tiges des compas, dans les compas simples. Une fixation directe à la barre de crémore, sans transmetteur, est suggérée. Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive. Pour une fixation plus sûre, envisagez des rivets filetés, préalablement cloués.

Fixar o compasso de forma definitiva depois da afinação feita

Fix the stay in a definitive way after the tuning is done

Fixation de la barre de manière définitive une fois le réglage est effectué



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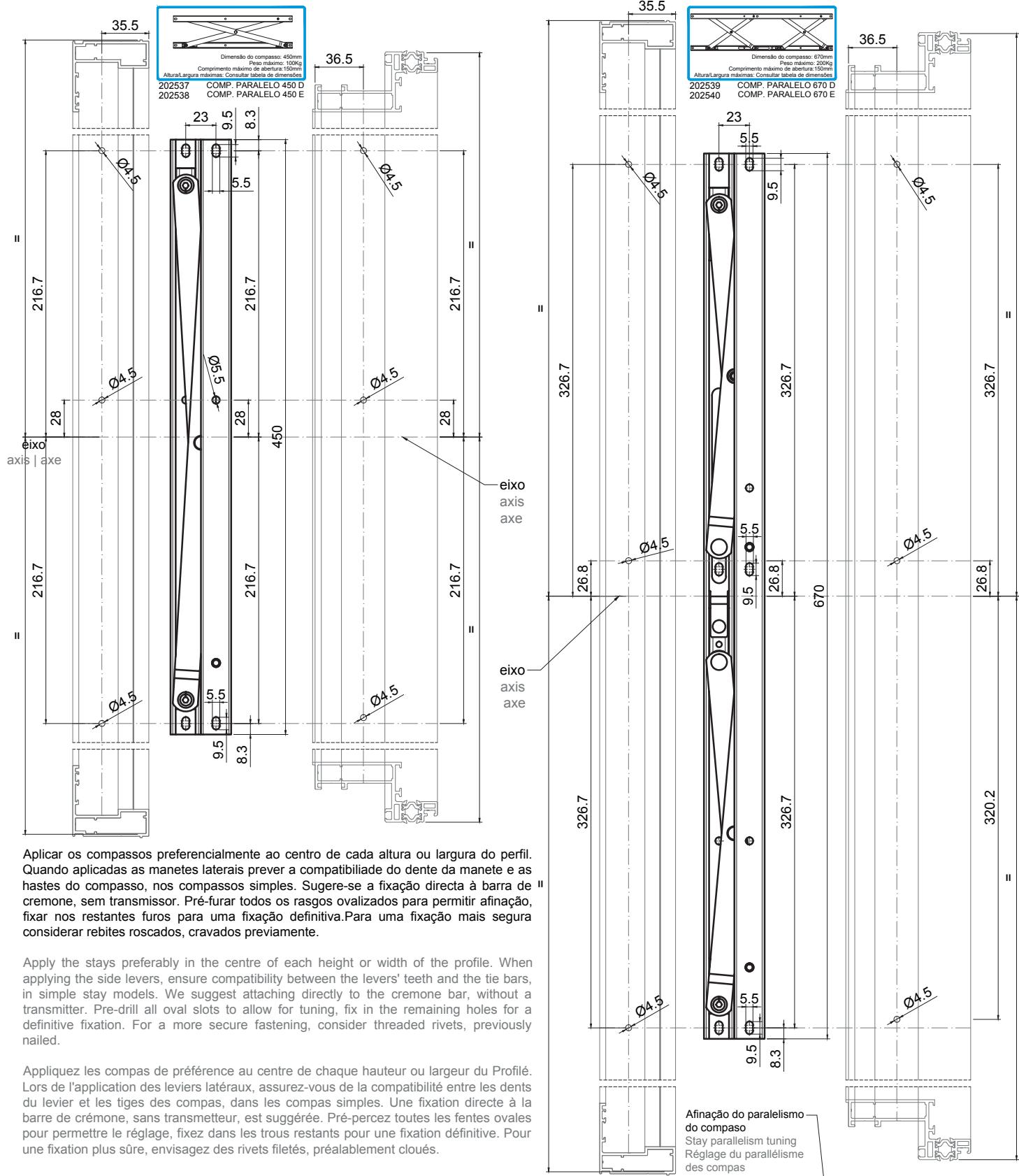
NOTE: This information is merely indicative, given that these are documents produced by theoretical drawings and does not exempt from previous testing of dimensions and drillings, by means of the specimen supplied.

NOTE: Ces informations sont purement indicatives, les documents étant réalisés à partir de dessins théoriques et ne dispensent pas d'un contrôle préalable des dimensions et des perçages, au moyen de l'échantillon fourni.

FURAÇÃO PARA APLICAÇÃO DOS COMPASSOS 450 E 670 NOS PERFIS FC 63, FC 78 E FC 79

DRILLING FOR FRICTION STAYS 450 AND 670 APPLICATION ON FC 63, FC 78 AND FC 79 PROFILES

PERÇAGE POUR L'APPLICATION DES COMPAS 450 ET 670 DANS LES PROFILÉS FC 63, FC 78 ET FC 79

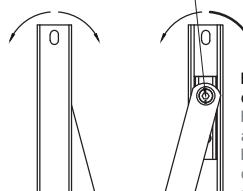


NOTA: Esta informação é meramente indicativa dado que se trata de documentos produzidos através de desenhos teóricos e não dispensa de prévio ensaio das cotas e furações, mediante o espécime fornecido.

NOTE: This information is merely indicative, given that these are documents produced by theoretical drawings and does not exempt from previous testing of dimensions and drillings, by means of the specimen supplied.

NOTE: Ces informations sont purement indicatives, les documents étant réalisés à partir de dessins théoriques et ne dispensent pas d'un contrôle préalable des dimensions et des perçages, au moyen de l'échantillon fourni.

Afinação do paralelismo do compasso
Stay parallelism tuning
Réglage du parallélisme des compas
(Unbrako 4mm)

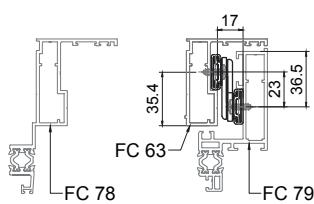


Fixar o compasso de forma definitiva depois da afinação feita
Fix the stay in a definitive way after the tuning is done
Fixation de la barre de manière définitive une fois le réglage est effectué

FURAÇÃO PARA APLICAÇÃO DOS COMPASSOS 950 NOS PERFIS FC 63, FC 78 E FC 79

DRILLING FOR FRICTION STAYS 950 APPLICATION ON FC 63, FC 78 AND FC 79 PROFILES

PERCAGE POUR L'APPLICATION DES COMPAS 950 DANS LES PROFILÉS FC 63, FC 78 ET FC 79



Aplicar os compassos preferencialmente ao centro de cada altura ou largura do perfil. Quando aplicadas as manetas laterais prever a compatibilidade do dente da manete e as hastes do compasso, nos compassos simples. Sugere-se a fixação directa à barra de cremone, sem transmissor. Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva. Para uma fixação mais segura considerar rebites roscados, cravados previamente.

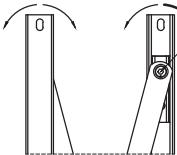
Apply the stays preferably in the centre of each height or width of the profile. When applying the side levers, ensure compatibility between the levers' teeth and the tie bars, in simple stay models. We suggest attaching directly to the cremone bar, without a transmitter. Pre-drill all oval slots to allow for tuning, fix in the remaining holes for a definitive fixation. For a more secure fastening, consider threaded rivets, previously nailed.

Appliquez les compas de préférence au centre de chaque hauteur ou largeur du Profilé. Lors de l'application des leviers latéraux, assurez-vous de la compatibilité entre les dents du levier et les tiges des compas, dans les compas simples. Une fixation directe à la barre de crémone, sans transmetteur, est suggérée. Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive. Pour une fixation plus sûre, envisagez des rivets filetés, préalablement cloués.

Fixar o compasso de forma definitiva depois da afinação feita

Fix the stay in a definitive way after the tuning is done.

Fixation de la barre de manière définitive une fois le réglage est effectué

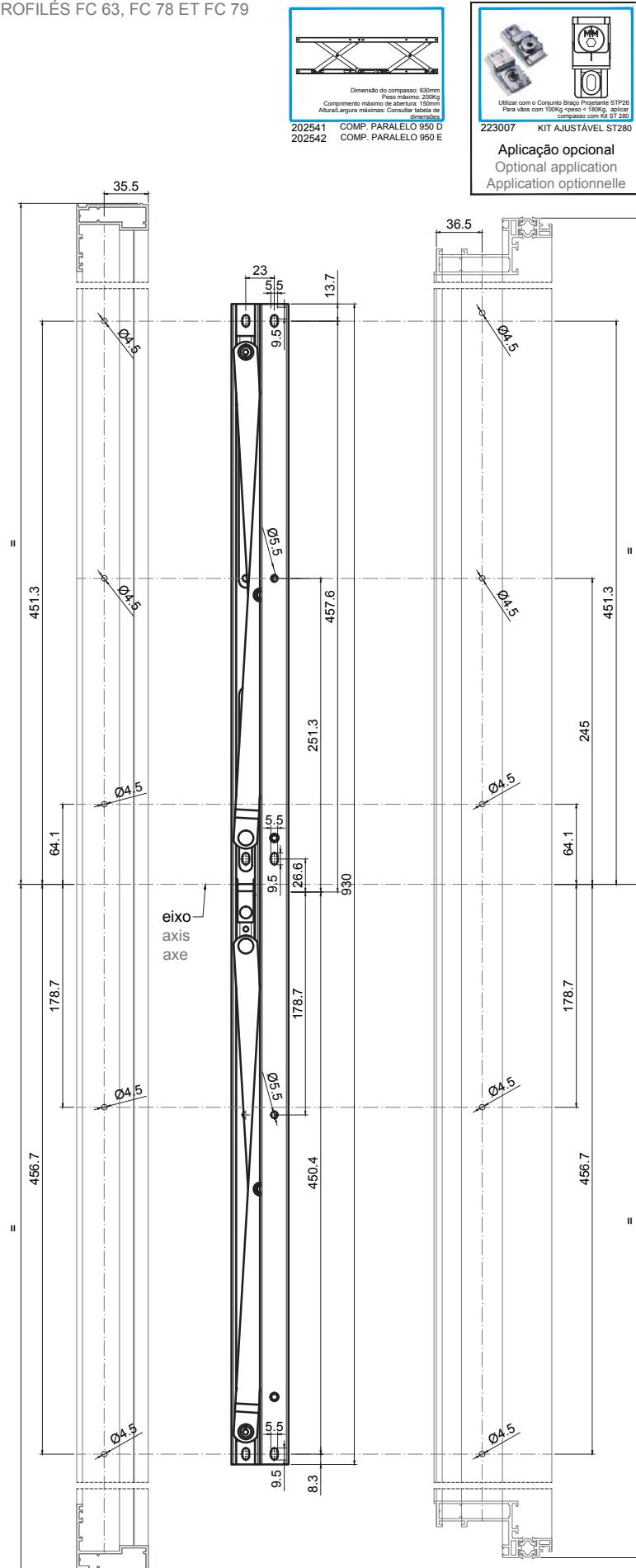


- Afinação do paralelismo do compaso
Stay parallelism tuning
Réglage du parallélisme des compas
(Unbrako 4mm)

NOTA: Esta informação é meramente indicativa dado que se trata de documentos produzidos através de desenhos teóricos e não dispensa de prévio ensaio das cotas e furações, mediante o espécime fornecido.

NOTE: This information is merely indicative, given that these are documents produced by theoretical drawings and does not exempt from previous testing of dimensions and drillings, by means of the specimen supplied.

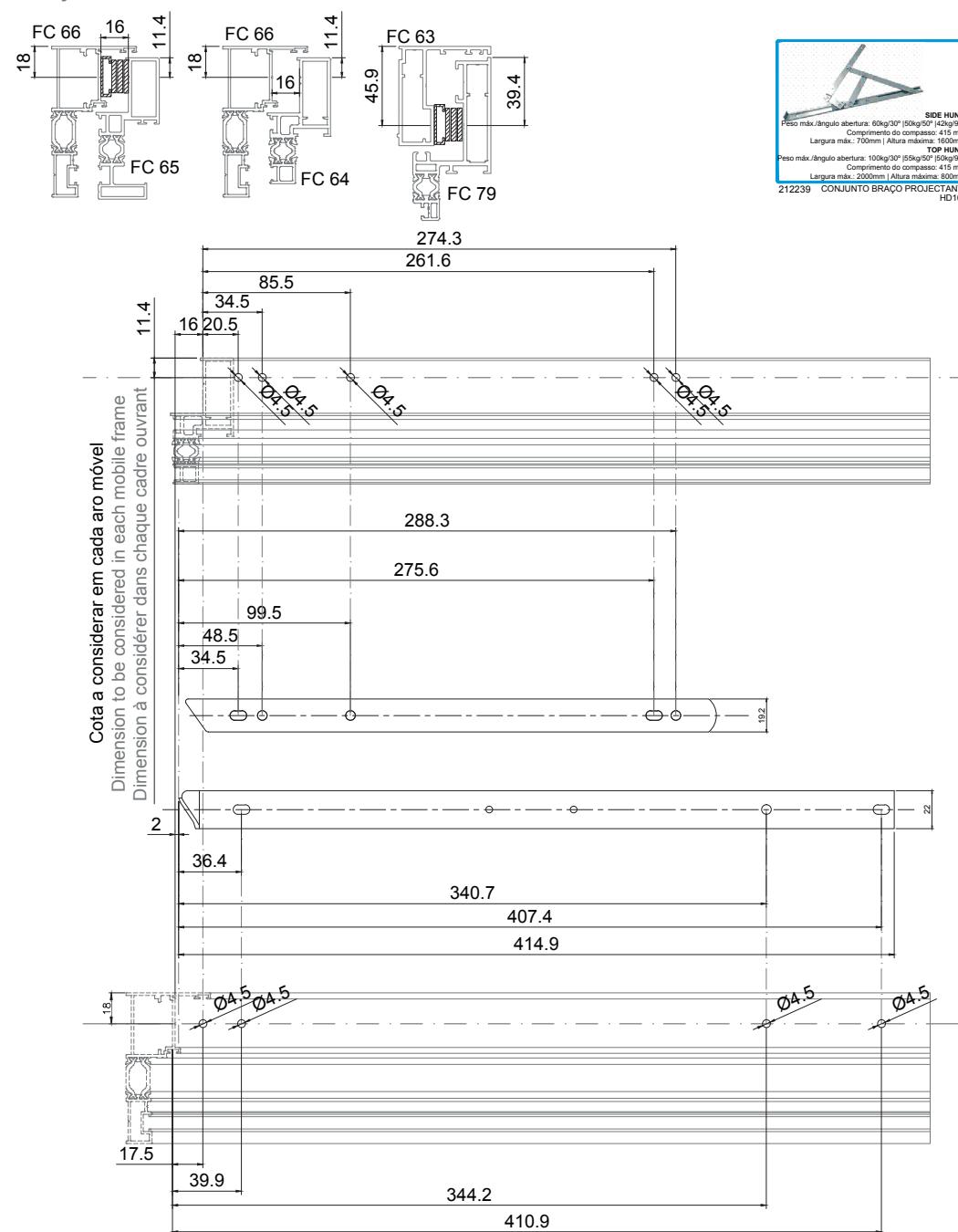
NOTE: Ces informations sont purement indicatives, les documents étant réalisés à partir de dessins théoriques et ne dispensent pas d'un contrôle préalable des dimensions et des perçages, au moyen de l'échantillon fourni.



FURAÇÃO P/ APLICAÇÃO DOS COMP. HD16R SIDE HUNG NOS PERFIS FC 64, FC 65 E FC 66

DRILLING FOR FRICTION STAYS HD16R SIDE HUNG APPLICATION ON FC 64, FC 65 AND FC 66 PROFILES

PERÇAGE POUR L'APPLICATION DES COMPAS SIDE HUNG HD16R DANS LES PROFILÉS FC 64, FC 65 ET FC 66



Para vãos até 60Kg/ 50Kg / 42Kg:

Ângulo de abertura: 30°/ 50° / 90°

Largura folha máximo = 700mm

Altura folha máximo = 1600mm

For spans up to 60Kg/ 50Kg / 42Kg:

Opening angle: 30°/ 50° / 90°

Sash width máx. = 700mm

Sash height máx. = 1600mm

Pour les travées jusqu'à 60Kg/ 50Kg / 42kg:

Angle d'ouverture : 30°/ 50° / 90°

Largeur vantail máx. = 700mm

Hauteur vantail máx. = 1600mm

NOTA: Esta informação é meramente indicativa dado que se trata de documentos produzidos através de desenhos teóricos e não dispensa de prévio ensaio das cotas e furações, mediante o espécime fornecido.

NOTE: This information is merely indicative, given that these are documents produced by theoretical drawings and does not exempt from previous testing of dimensions and drillings, by means of the specimen supplied.

NOTE: Ces informations sont purement indicatives, les documents étant réalisés à partir de dessins théoriques et ne dispensent pas d'un contrôle préalable des dimensions et des perçages, au moyen de l'échantillon fourni.

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de ±2mm).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva. Para uma fixação mais segura considerar rebites roscados, cravados previamente.

Apply the caliper 2mm from the top (to allow ±2mm vertical taper).

Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing. For a more secure fixing consider threaded rivets, previously crimped.

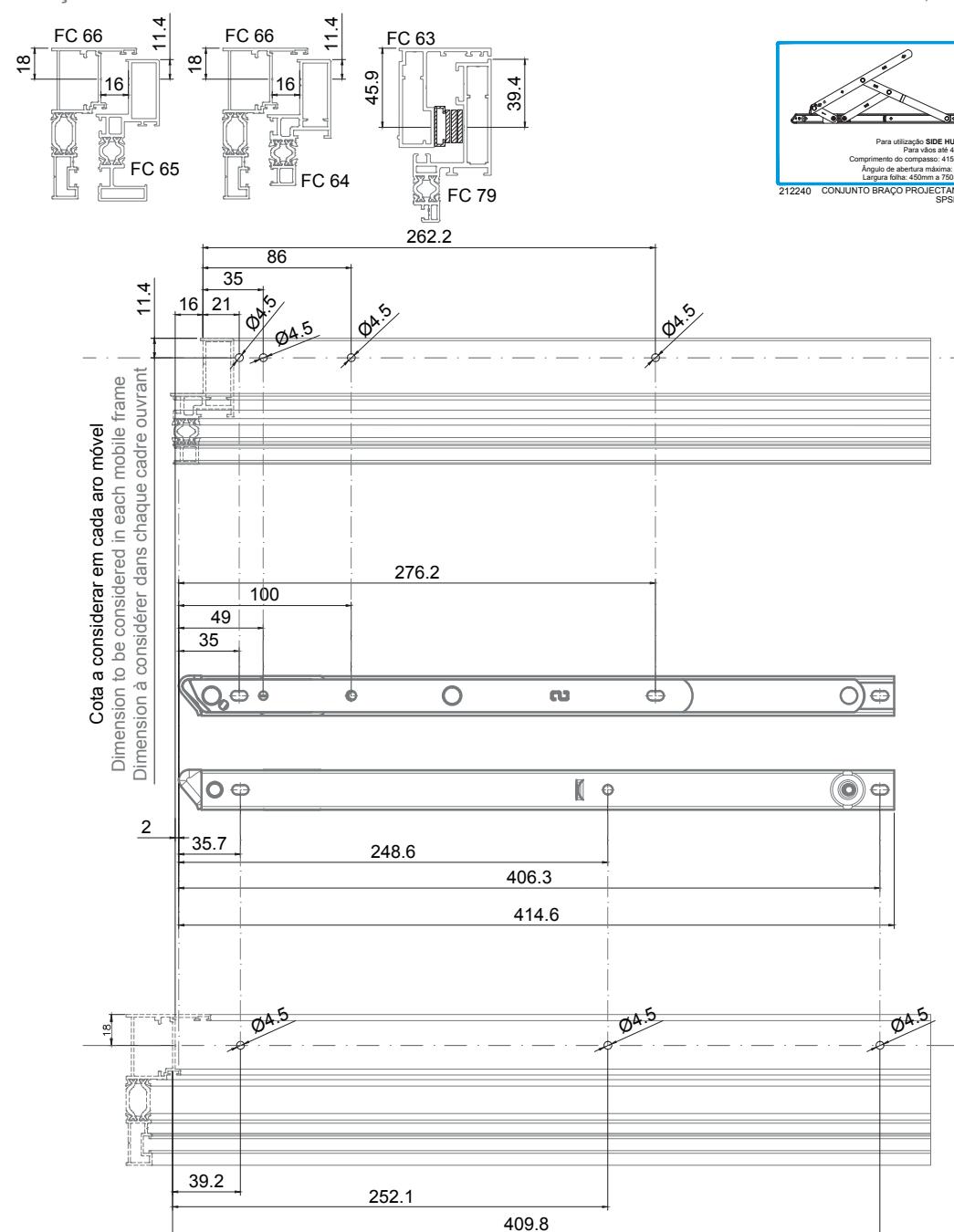
Appliquez le compas à 2 mm du haut (pour permettre une réglage verticale de ±2 mm).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive. Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.

FURAÇÃO PARA APLICAÇÃO DOS COMPASSOS SPSH16 NOS PERFIS FC 64, FC 65 E FC 66

DRILLING FOR FRICTION STAYS SPSH16 APPLICATION ON FC 64, FC 65 AND FC 66 PROFILES

PERÇAGE POUR L'APPLICATION DES COMPAS SPSH16 DANS LES PROFILÉS FC 64, FC 65 ET FC 66



Para vãos até 42Kg:

Ângulo de abertura: 60°

450 < largura folha < 750mm

For spans up to 42Kg:

Opening angle: 60°

450 < sash width < 750mm

Pour les travées jusqu'à 42kg:

Angle d'ouverture : 60°

450 < largeur vantail < 750mm

Aplicar o compasso distante de 2mm do topo (para permitir uma afinação vertical de ±2mm).

Pré-furar todos os rasgos ovalizados para permitir afinação, fixar nos restantes furos para uma fixação definitiva. Para uma fixação mais segura considerar rebites rosados, cravados previamente.

Apply the caliper 2mm from the top (to allow ±2mm vertical taper).

Pre-drill all oval slots to allow for setting, fix in the remaining holes for a definitive fixing. For a more secure fixing consider threaded rivets, previously crimped.

Applique le compas à 2 mm du haut (pour permettre une réglage verticale de ±2 mm).

Pré-percez toutes les fentes ovales pour permettre le réglage, fixez dans les trous restants pour une fixation définitive. Pour une fixation plus sûre, envisagez des rivets filetés, sertis au préalable.

NOTA: Esta informação é meramente indicativa dado que se trata de documentos produzidos através de desenhos teóricos e não dispensa de prévio ensaio das cotas e furações, mediante o espécime fornecido.

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COMPASSO 18011
FRICTION STAY 18011
COMPAS 18011

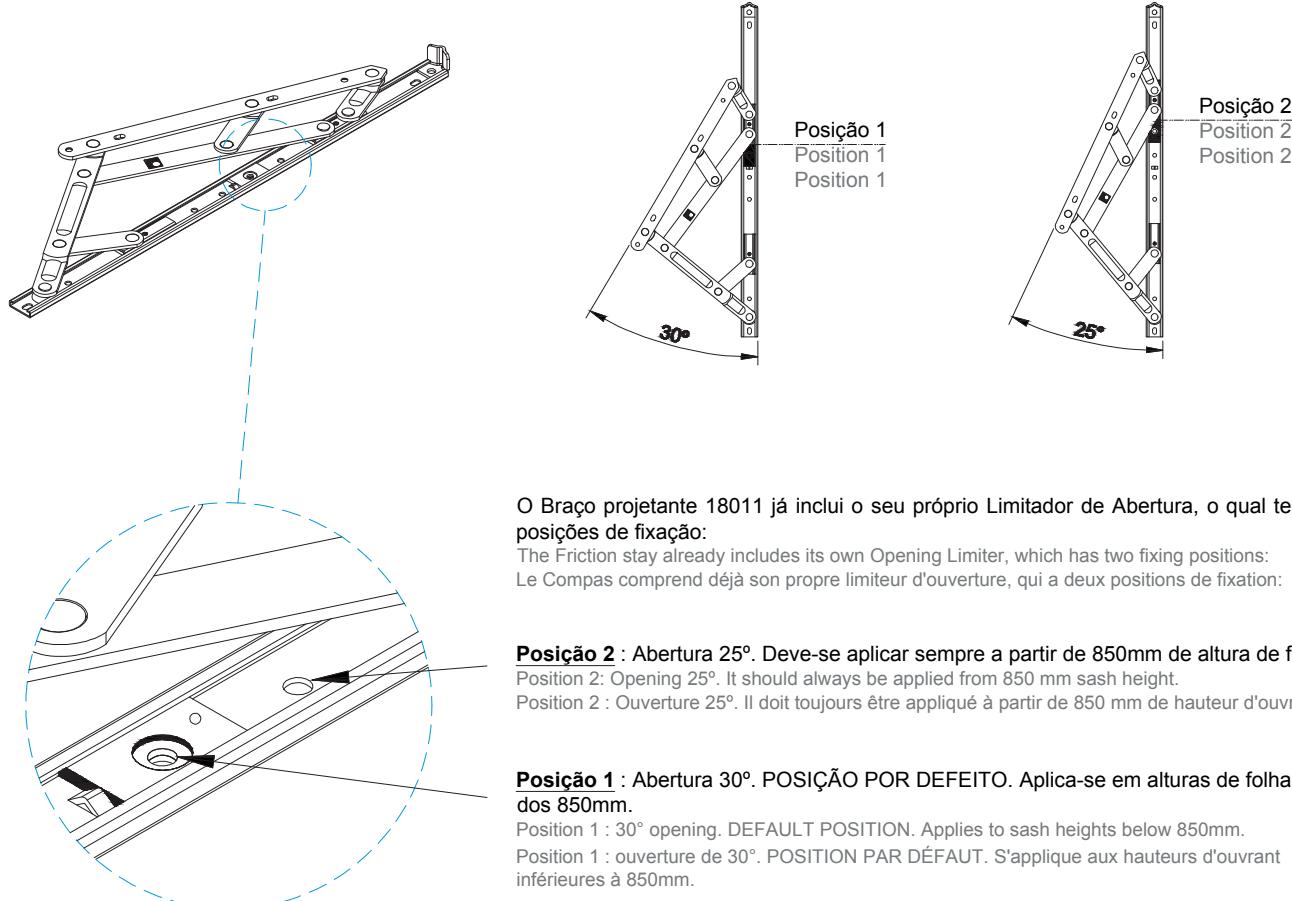
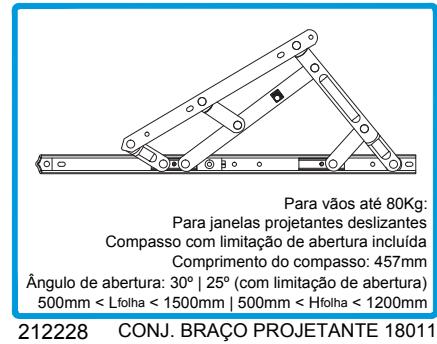
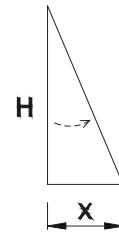
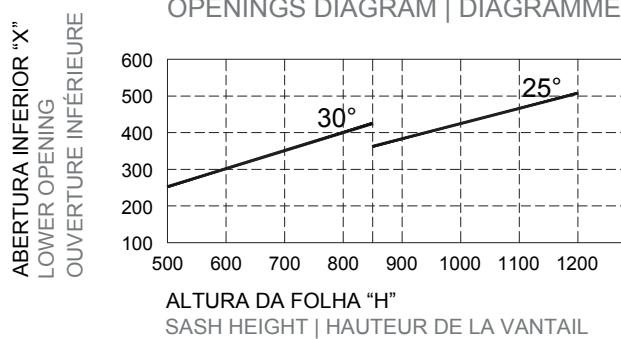
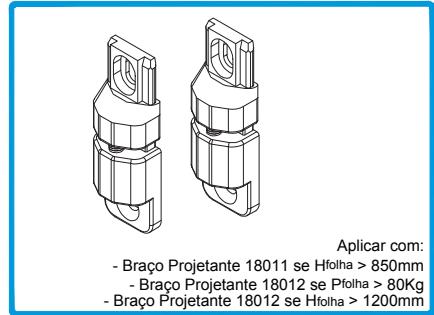


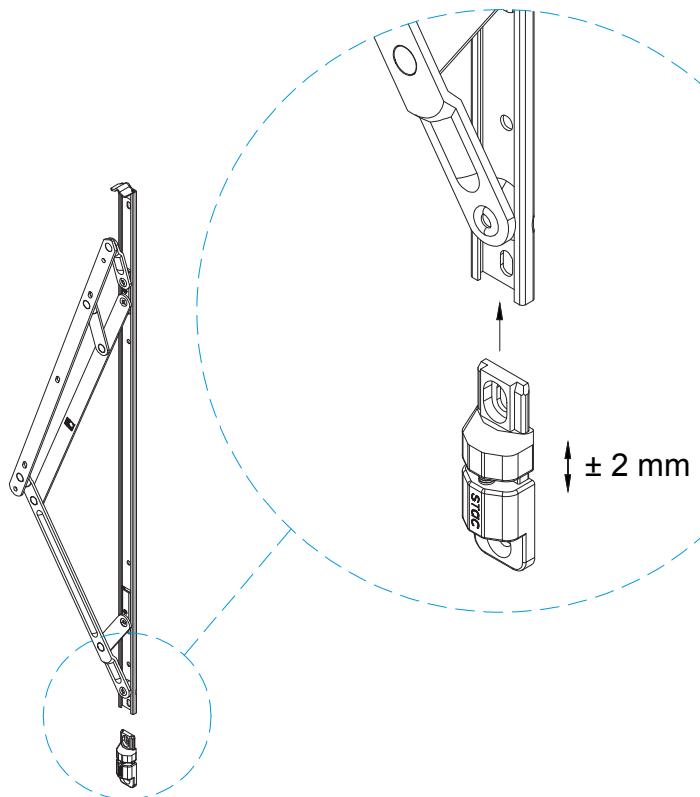
DIAGRAMA DE ABERTURAS (mm)
OPENINGS DIAGRAM | DIAGRAMME D'OUVERTURES



KIT ALTURA AJUSTÁVEL 18012
HEIGH ADJUSTMENT KIT 18012
KIT POUR RÉGLAGE EN HAUTEUR 18012



223251 KIT ALTURA AJUSTÁVEL 18012



O KIT ALTURA AJUSTÁVEL 18012 deve ser aplicado:

- com o Compasso 18011 - em folhas a partir dos 850mm de altura;
- com o Compasso 18012 - em folhas com peso a partir dos 80Kg e/ou 1200mm de altura.

Em ambos os casos, deixar um afastamento de 2 a 3 mm entre o topo da guia superior e a esquina superior interior do aro, para permitir a regulação em altura ($\pm 2\text{mm}$).

The Height Adjustment Kit 18012, must be applied:

- with Friction stay 18011 - in sashes from 850 mm height;
- with Friction stay 18012 - in sashes weighing from 80Kg and/or 1200mm height.

In both cases, leave a clearance of 2 to 3 mm between the top of the upper guide and the upper inside corner of the frame to allow height adjustment ($\pm 2\text{ mm}$).

Le Kit pour Réglage en Hauteur 18012, doit être appliquée:

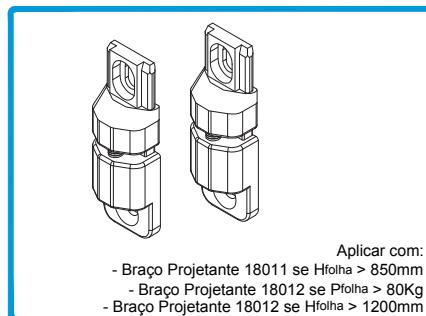
- avec le Compas 18011 - dans les ouvrants à partir de 850 mm de hauteur;
- avec le Compas 18012 - dans les ouvrants pesant à partir de 80Kg et/ou 1200mm de hauteur.

Dans les deux cas, laissez un espace de 2 à 3 mm entre le haut du guide supérieur et le coin supérieur intérieur du cadre pour permettre le réglage de la hauteur ($\pm 2\text{ mm}$).

MAQUINAÇÃO DO PERFIL FC 79 PARA APLICAÇÃO DO KIT ALTURA AJUSTÁVEL 18012

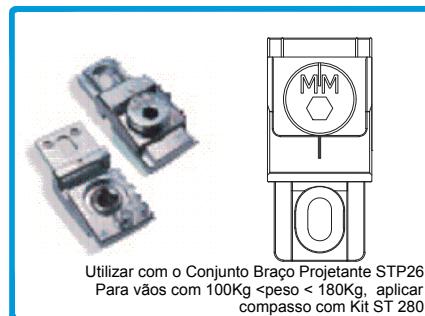
fc PROFILE MACHINING FOR HEIGH ADJUSTMENT KIT 18012 APPLICATION

USINAGE DU PROFILÉ FC 79 POUR L'APPLICATION DU KIT POUR RÉGLAGE EN HAUTEUR 18012



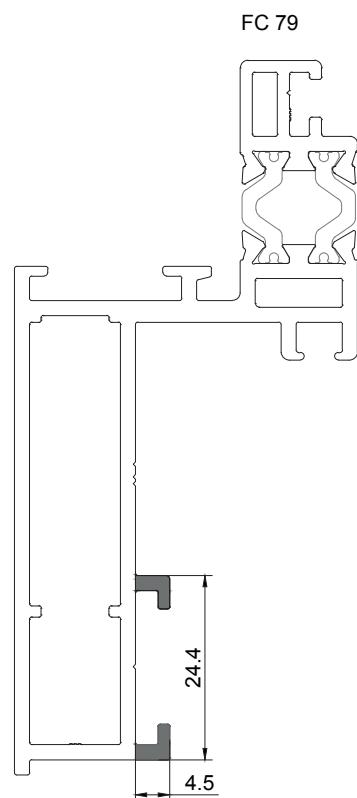
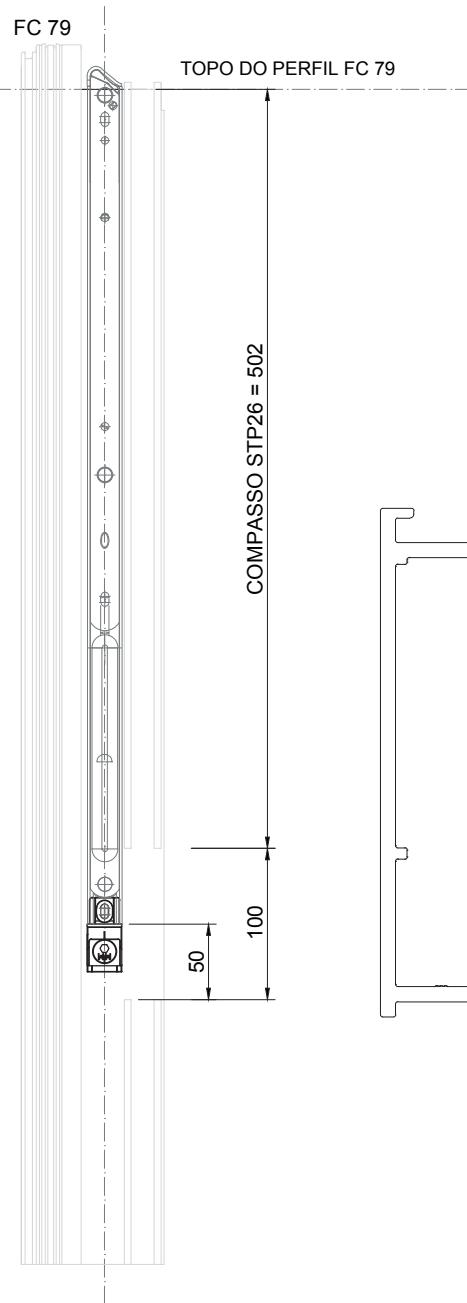
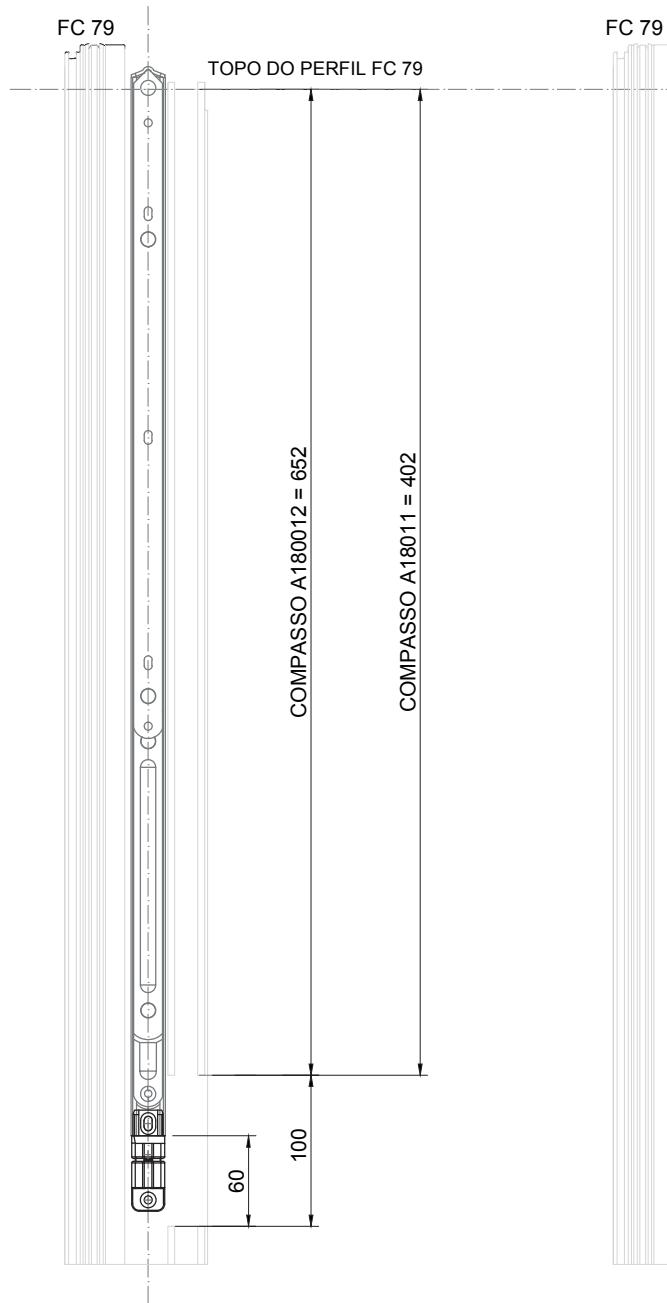
223251

KIT ALTURA AJUSTÁVEL 18012



223007

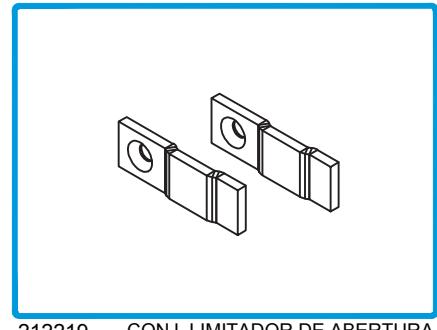
KIT AJUSTÁVEL ST280



CONJUNTO LIMITADOR DE ABERTURA BRAÇO PROJETANTE 18012

OPENING LIMITER 18012 KIT

KIT LIMITEUR D'OUVERTURE 18012



212219 CONJ. LIMITADOR DE ABERTURA
BRAÇO PROJ. 18012

O Conjunto Limitador de Abertura Braço Projetante 18012 apenas se aplica com o Compasso 18012

The Opening Limiter 18012 Kit only applies with Friction Stay 18012

Le Kit Limiteur d'Ouverture 18012 est uniquement applicable avec le Compas 18012

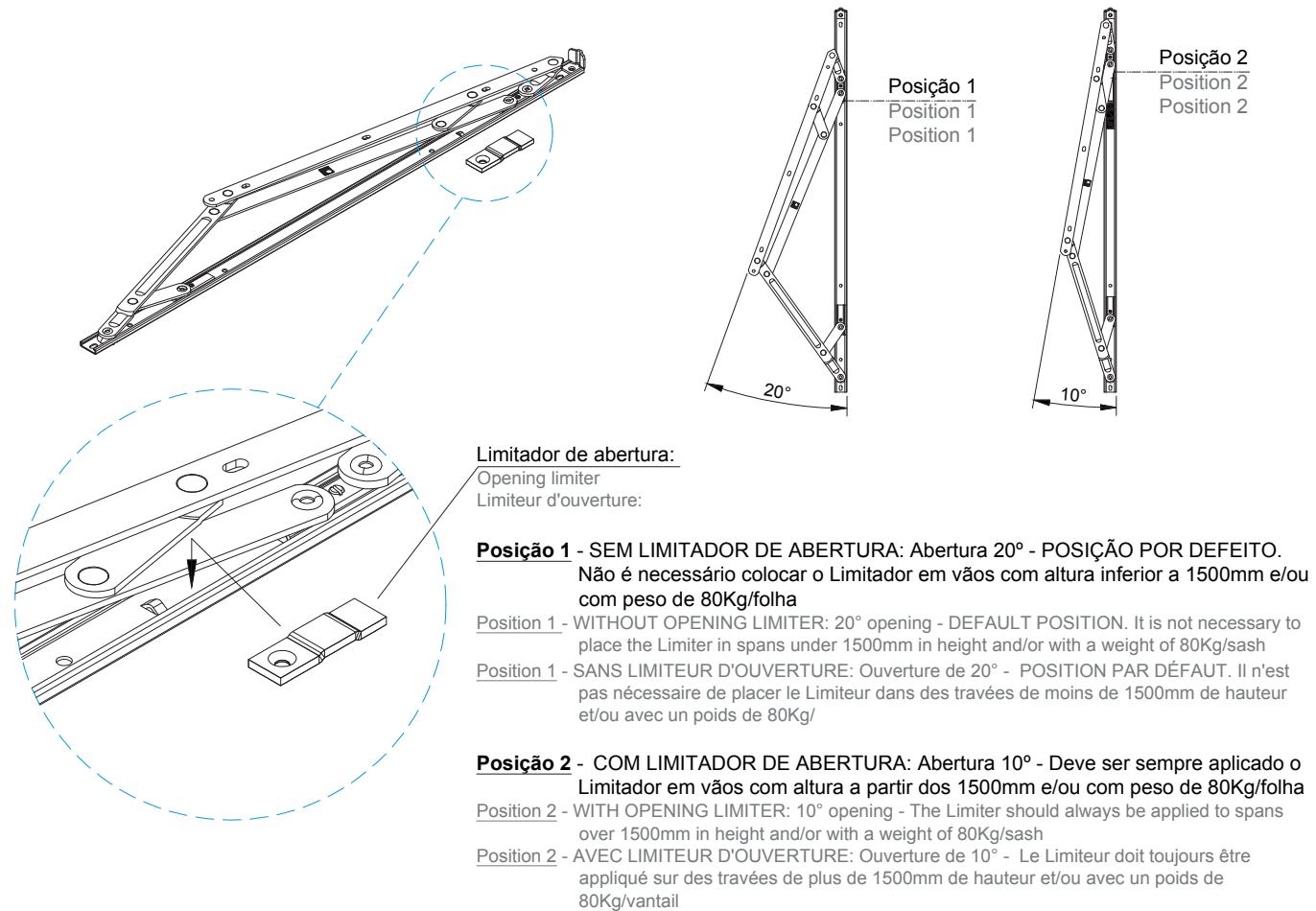
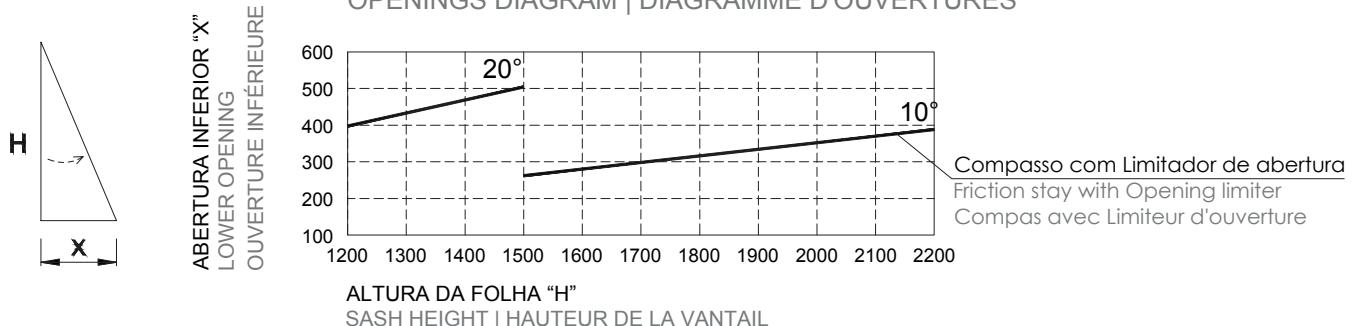


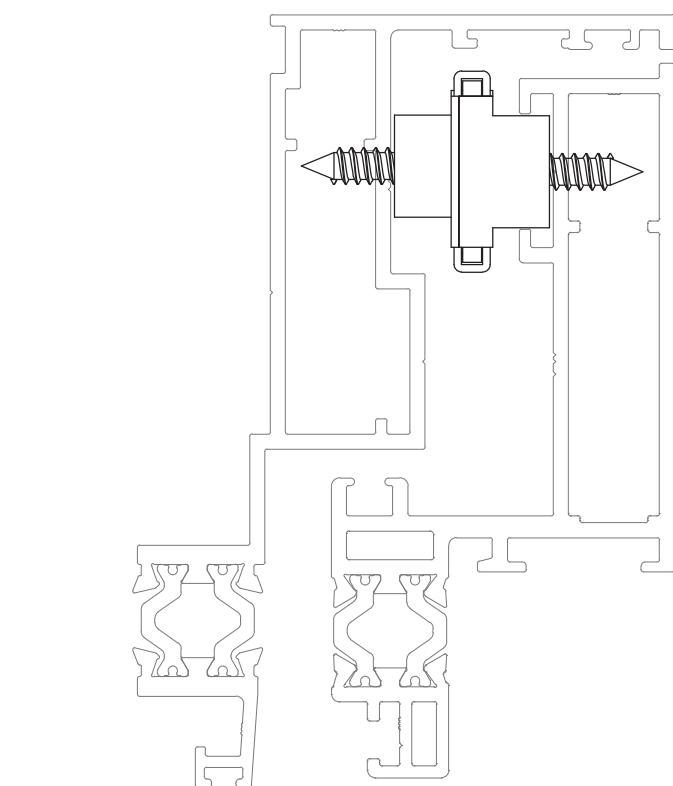
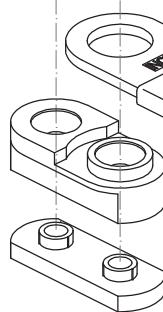
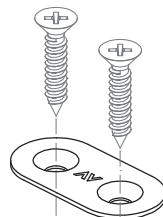
DIAGRAMA DE ABERTURAS (mm) OPENINGS DIAGRAM | DIAGRAMME D'OUVERTURES



COMPASSO SAVIO 1307.1

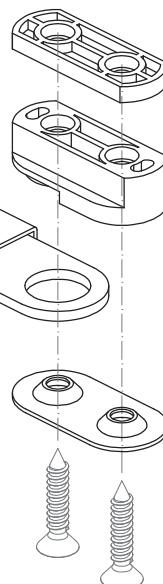
FRICTION STAY SAVIO 1307.1

COMPAS SAVIO 1307.1



202065

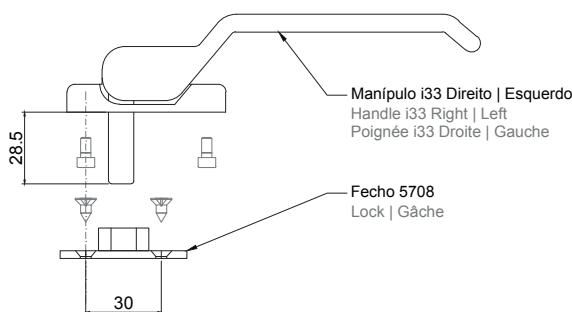
COMPS.SAVIO 1307.1



MONTAGEM DE ACESSÓRIOS - MANÍPULO i33 PARA JANELAS PROJETANTES

ACCESSORIES ASSEMBLY - HANDLE i33 FOR AWNING WINDOWS

ASSEMBLAGE D'ACCESSOIRES - POIGNÉE i33 POUR FENÊTRES À L'ITALIENNE



Largura < 600 Width Largeur		Largura > 600 Width Largeur	
	Manipulo i33 Esquerdo Handle i33 Left Poignée i33 Gauche	1	
	Fecho 5708 Lock Gâche	1	
	Manipulo i33 Direito Handle i33 Right Poignée i33 Droite	1	

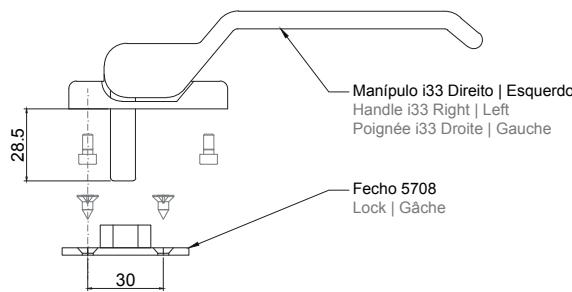
MAQUINAÇÃO DO ARO MÓVEL PROJETANTE PARA MANÍPULO i33
MOBILE FRAME MACHINING FOR i33 HANDLE
USINAGE DU CADRE OUVRANT POUR POIGNÉE i33

FURAÇÃO DO FECHO 5708
LOCK 5708 DRILLING
PERÇAGE DE LA GÂCHE 5708

MONTAGEM DE ACESSÓRIOS - MANÍPULO i33 PARA JANELAS PROJETANTES

ACCESSORIES ASSEMBLY - HANDLE i33 FOR AWNING WINDOWS

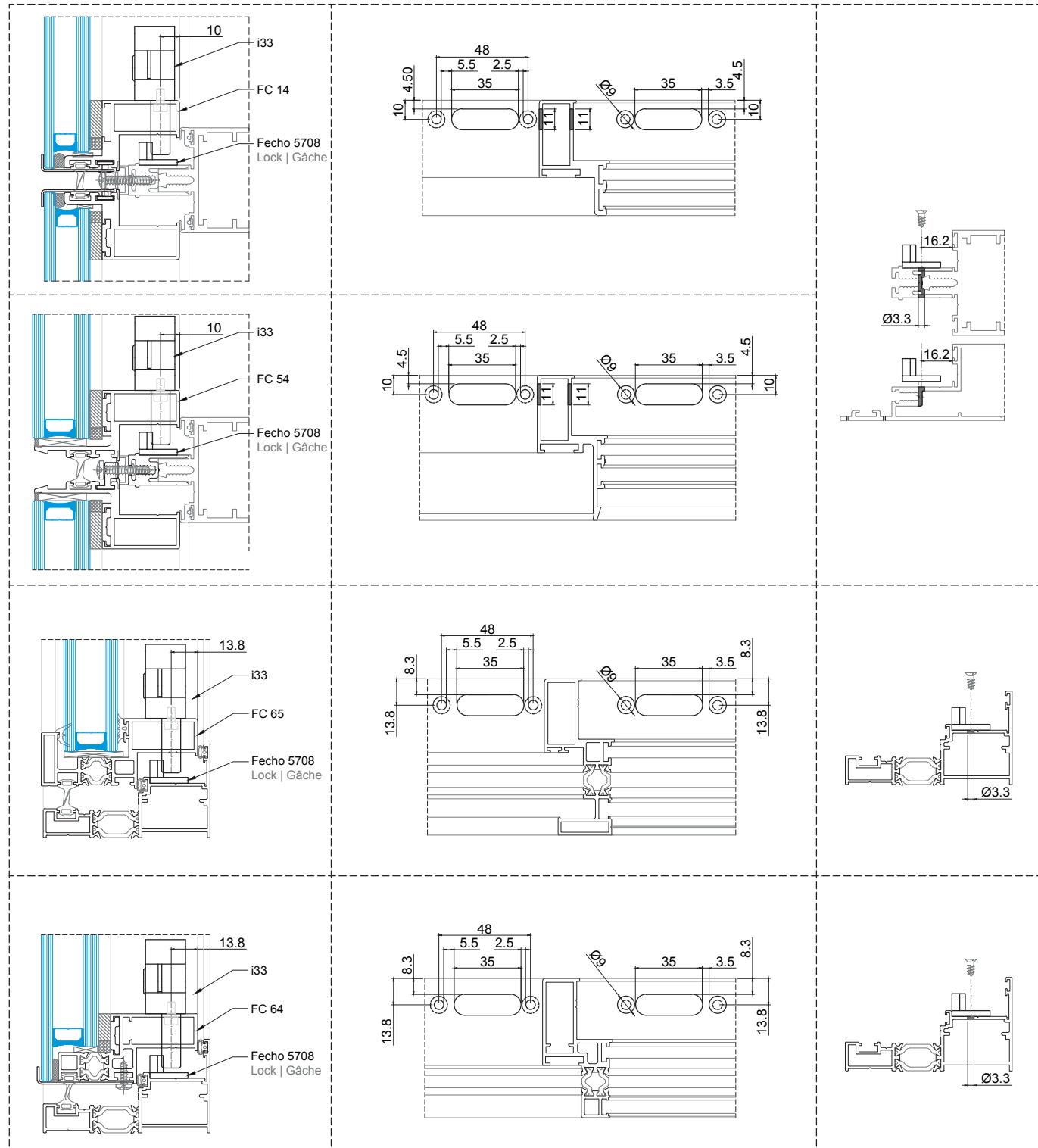
ASSEMBLAGE D'ACCESSOIRES - POIGNÉE i33 POUR FENÊTRES À L'ITALIENNE



Largura < 600 Width Largeur		Largura > 600 Width Largeur	
	Manípulo i33 Esquerdo Handle i33 Left Poignée i33 Gauche	1	
	Fecho 5708 Lock Gâche	1	
	Manípulo i33 Direito Handle i33 Right Poignée i33 Droite	1	

MAQUINAÇÃO DO ARO MÓVEL PROJETANTE PARA MANÍPULO i33
MOBILE FRAME MACHINING FOR i33 HANDLE
USINAGE DU CADRE OUVRANT POUR POIGNÉE i33

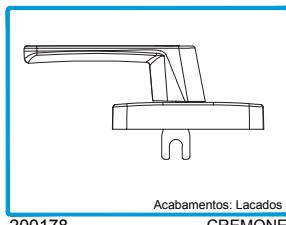
FURAÇÃO DO FECHO 5708
LOCK 5708 DRILLING
PERÇAGE DE LA GÂCHE 5708



MONTAGEM DE ACESSÓRIOS - CREMONE PROJETANTE FC PARA JANELAS PROJETANTES

ACCESSORIES ASSEMBLY - FC HANDLE FOR AWNING WINDOWS

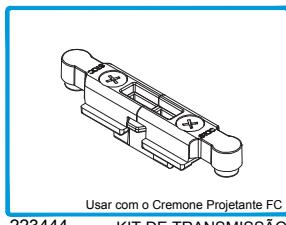
ASSEMBLAGE D'ACCESSOIRES - CREMONE FC POUR FENÊTRES À L'ITALIENNE



200178

CREMONE
PROJECTANTE FC

Acabamentos: Lacados



223444

USAR COM O CREMONE PROJETANTE FC
KIT DE TRANSMISSÃO
PROJECTANTE FC



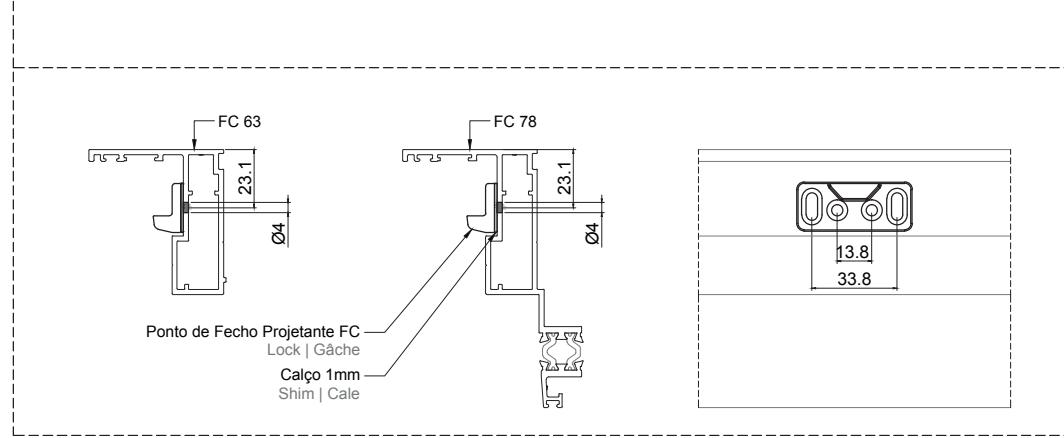
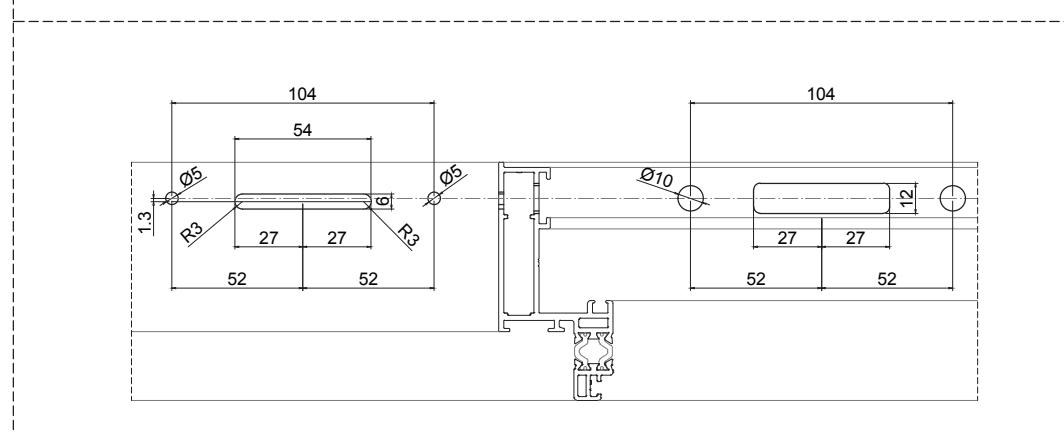
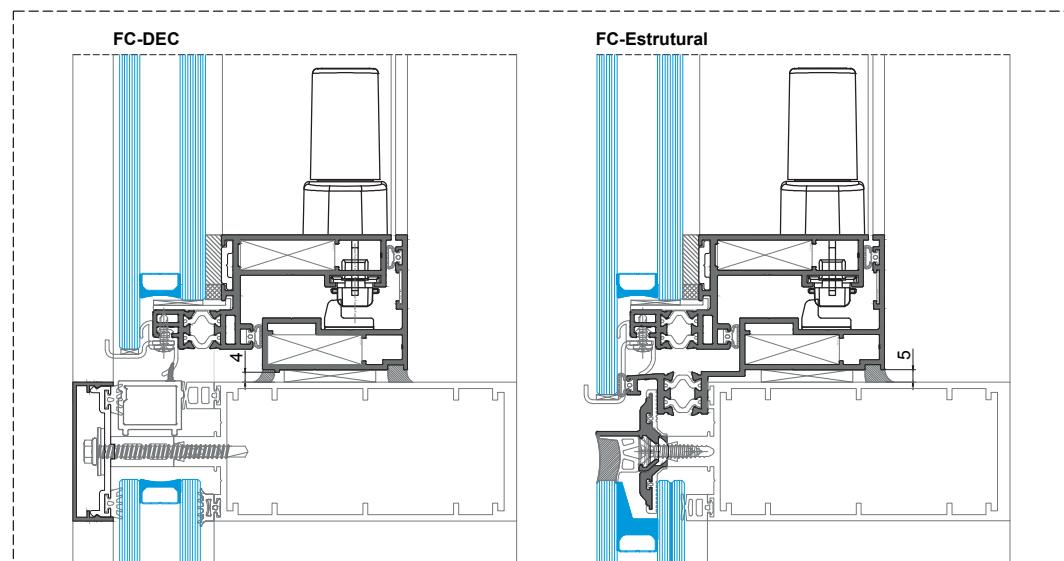
211031

PONTO DE FECHO
PROJECTANTE FC



223445

KIT PONTO DE FECHO
ADICIONAL PROJECTANTE FC



MONTAGEM DE ACESSÓRIOS - CREMONE PROJETANTE FC PARA JANELAS PROJETANTES PARALELAS

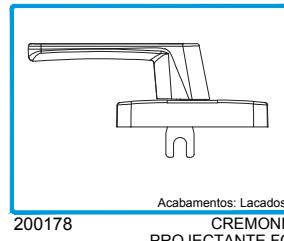
ACCESSORIES ASSEMBLY - FC HANDLE FOR PARALLEL OPENING WINDOWS

ASSEMBLAGE D'ACCESSOIRES - CREMONE FC POUR FENÊTRES D'OUVERTURE PARALLÈLE

Aplicação de 2 Cremones - Fixação directa do Cremone Projetante FC à vareta

Application of 2 Handles - Direct fixing of the FC Handle to the rod

Application de 2 crémones - Fixation directe de la crémone FC sur la tige



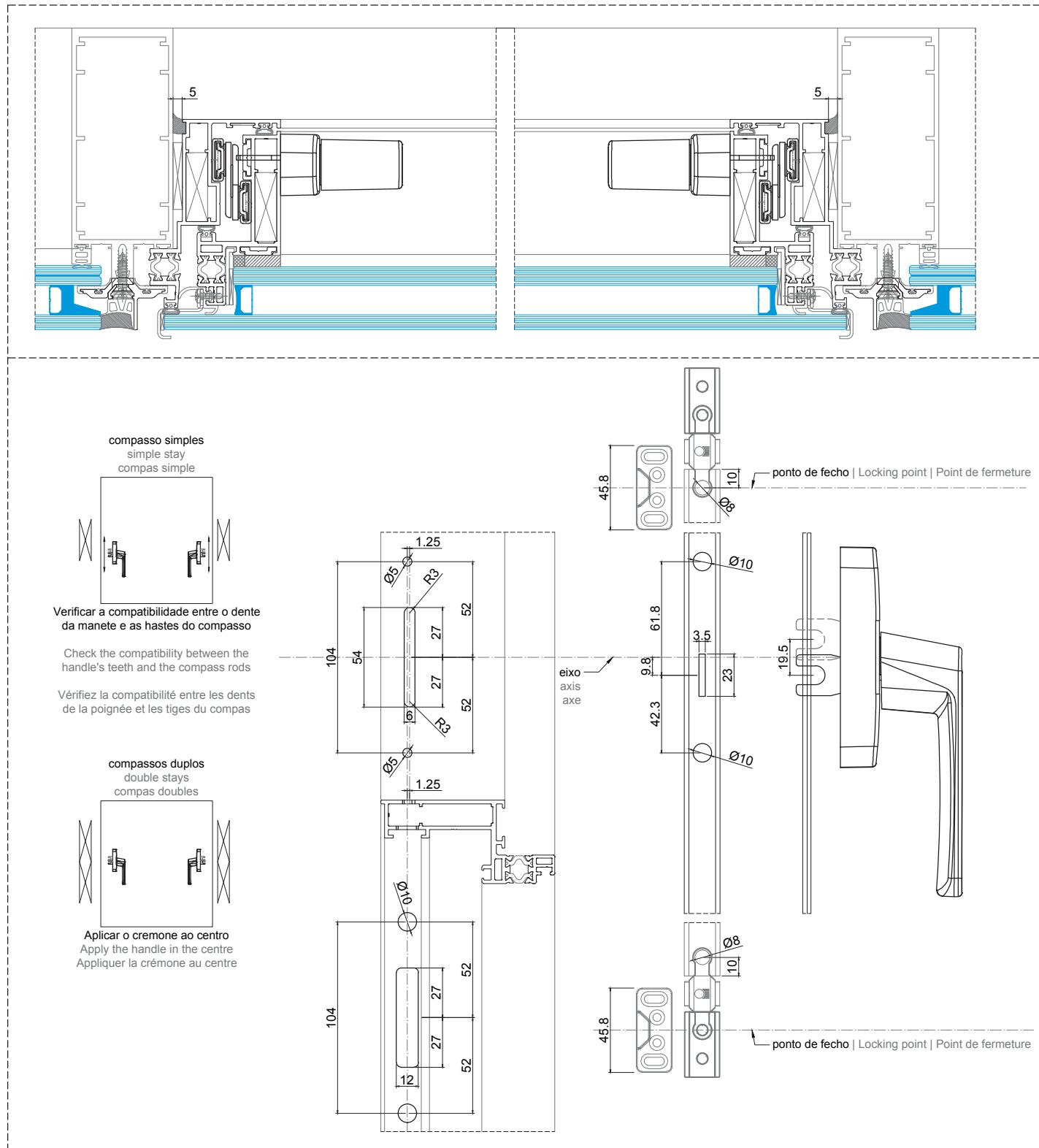
200178

CREMONE
PROJECTANTE FC



223445

KIT PONTO DE FECHO
ADICIONAL PROJECTANTE FC



APLICAÇÃO DOS PONTOS DE FECHO
LOCKING POINTS APPLICATION
APPLICATION DES POINTS DE FERMETURE

		1 Ponto fecho 1 Locking point 1 Point fermeture	2 Pontos fecho 2 Locking points 2 Points fermeture	4 Pontos fecho 4 Locking points 4 Points fermeture	6 Pontos fecho 6 Locking points 6 Points fermeture
200178 CREMONE PROJETANTE FC HANDLE FC POIGNEE FC	1	1	1	1	
223444 KIT DE TRANSM. PROJECTANTE FC FC TRANSMISSION KIT KIT TRANSMISSION FC	1	1	1	1	
211031 PONTO DE FECHO PROJECTANTE FC FC LOCKING POINT POINT DE FERMETURE FC	1	---	---	---	
223445 KIT PONTO DE FECHO ADICIONAL FC ADDITIONAL LOCK. POINT POINT DE FERM. SUPPLÉMENTAIRE	---	2	4	6	
213302 KIT ANGULO DE REENVIO 113420 CORNER DRIVE KIT KIT ANGLE RENVOI	---	---	2	2	
211032 PONTO DE FECHO OCULTO CONCEALED LOCKING POINT POINT FERMETURE CACHE	OPCIONAL OPTIONAL OPTIONNEL	OPCIONAL OPTIONAL OPTIONNEL	OPCIONAL OPTIONAL OPTIONNEL	OPCIONAL OPTIONAL OPTIONNEL	

Altura Height Hauteur < 1230mm					
		2 Pontos fecho 2 Locking points 2 Points fermeture	3 Pontos fecho 3 Locking points 3 Points fermeture		
		1	1		
200178 CREMONE PROJETANTE FC HANDLE FC POIGNEE FC	1	1	1		
223444 KIT DE TRANSM. PROJECTANTE FC FC TRANSMISSION KIT KIT TRANSMISSION FC	1	1	1		
211031 PONTO DE FECHO PROJECTANTE FC FC LOCKING POINT POINT DE FERMETURE FC	---	---	1		
223445 KIT PONTO DE FECHO ADICIONAL FC ADDITIONAL LOCK. POINT POINT DE FERM. SUPPLÉMENTAIRE	2	2	2		
213302 KIT ANGULO DE REENVIO 113420 CORNER DRIVE KIT KIT ANGLE RENVOI	---	---	---		

Altura Height Hauteur > 1230mm Largura máxima Maximum width Largeur maximale = 1500mm					
		4 Pontos fecho 4 Locking points 4 Points fermeture	8 Pontos fecho 8 Locking points 8 Points fermeture		
		2	2		
200178 CREMONE PROJETANTE FC HANDLE FC POIGNEE FC	2	2			
223445 KIT PONTO DE FECHO ADICIONAL FC ADDITIONAL LOCK. POINT POINT DE FERM. SUPPLÉMENTAIRE	4	8			
213302 KIT ANGULO DE REENVIO 113420 CORNER DRIVE KIT KIT ANGLE RENVOI	---	4			

Notas:

- considerar um ponto de fecho a cada 800mm;
- movimento manual até 1500mm de largura e pesos inferiores a 180kg;
- considerar 2 cremones para alturas superiores a 1230mm;
- considerar motorização sincronizada em pesos superiores a 180kg e larguras superiores a 1500.

Notes:

- consider one locking point every 800mm;
- manual movement up to 1500mm wide and weights less than 180kg;
- consider 2 crèmes for heights above 1230mm;
- consider synchronized motorization in weights over 180kg and widths over 1500mm.

Remarques:

- prévoir un point de fermeture à chaque 800 mm;
- mouvement manuel jusqu'à 1500mm de large et un poids inférieur à 180kg;
- envisager 2 crèmes pour les hauteurs supérieures à 1230mm;
- envisager une motorisation synchronisée pour des poids supérieurs à 180 kg et des largeurs supérieures à 1500mm.

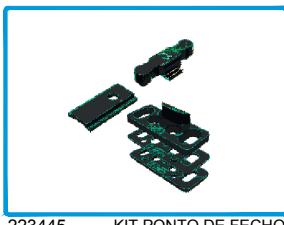
MONTAGEM DE ACESSÓRIOS - MANETE PROJETANTE PLEXUS PARA JANELAS PROJETANTES

ACCESSORIES ASSEMBLY - FC HANDLE FOR AWNING WINDOWS

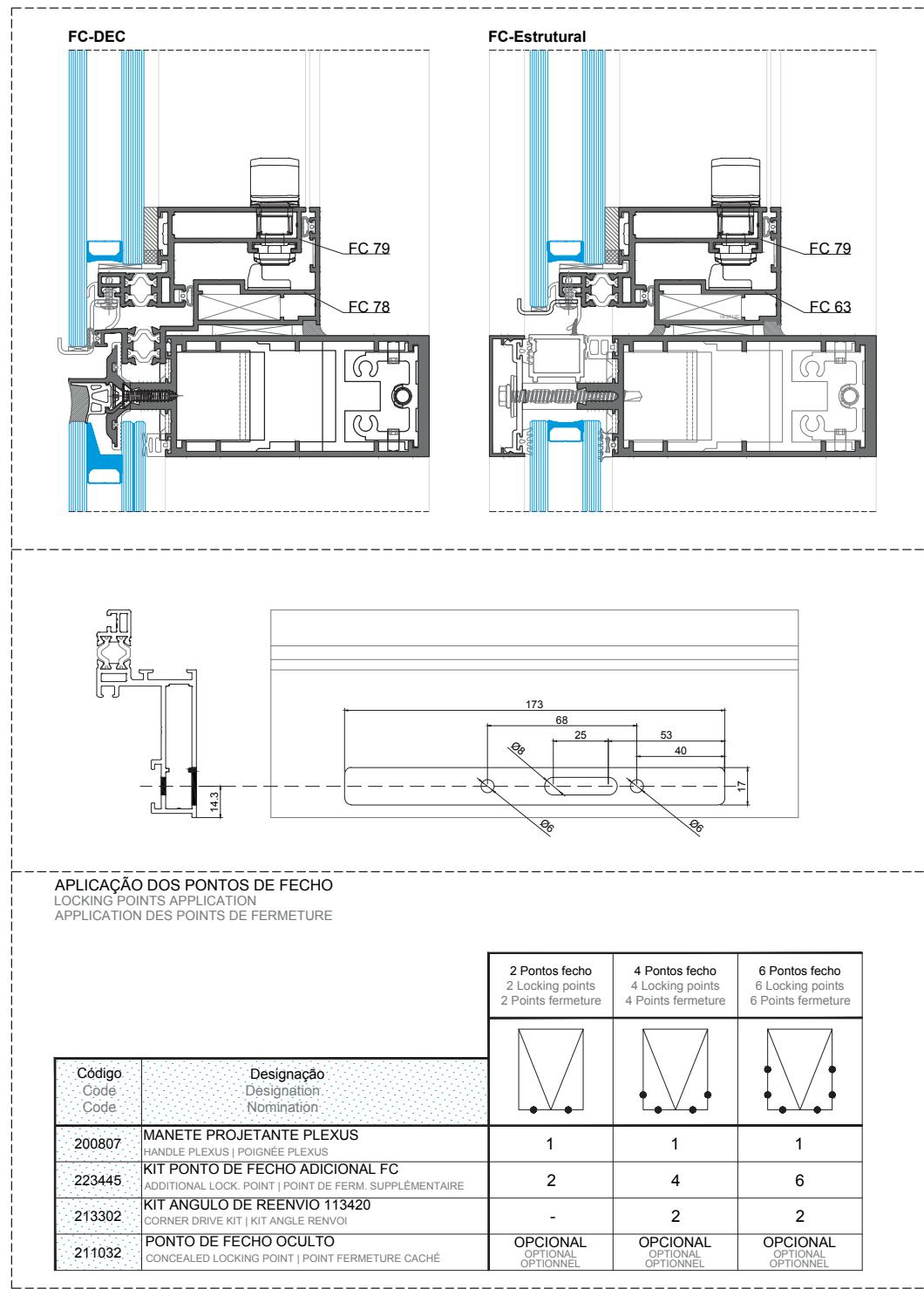
ASSEMBLAGE D'ACCESSOIRES - CREMONE FC POUR FENÊTRES À L'ITALIENNE



200807 MANETE PROJETANTE PLEXUS



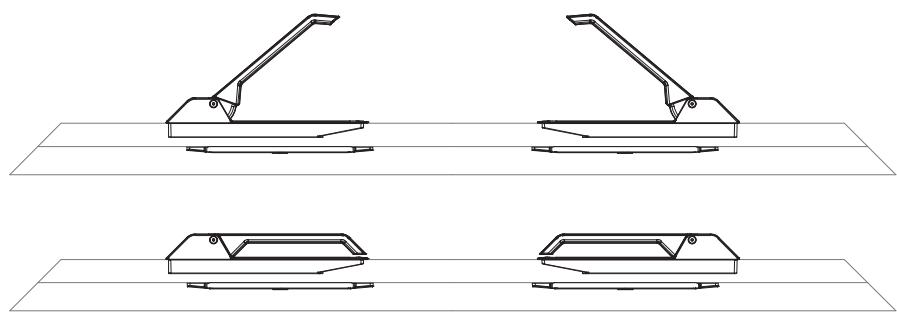
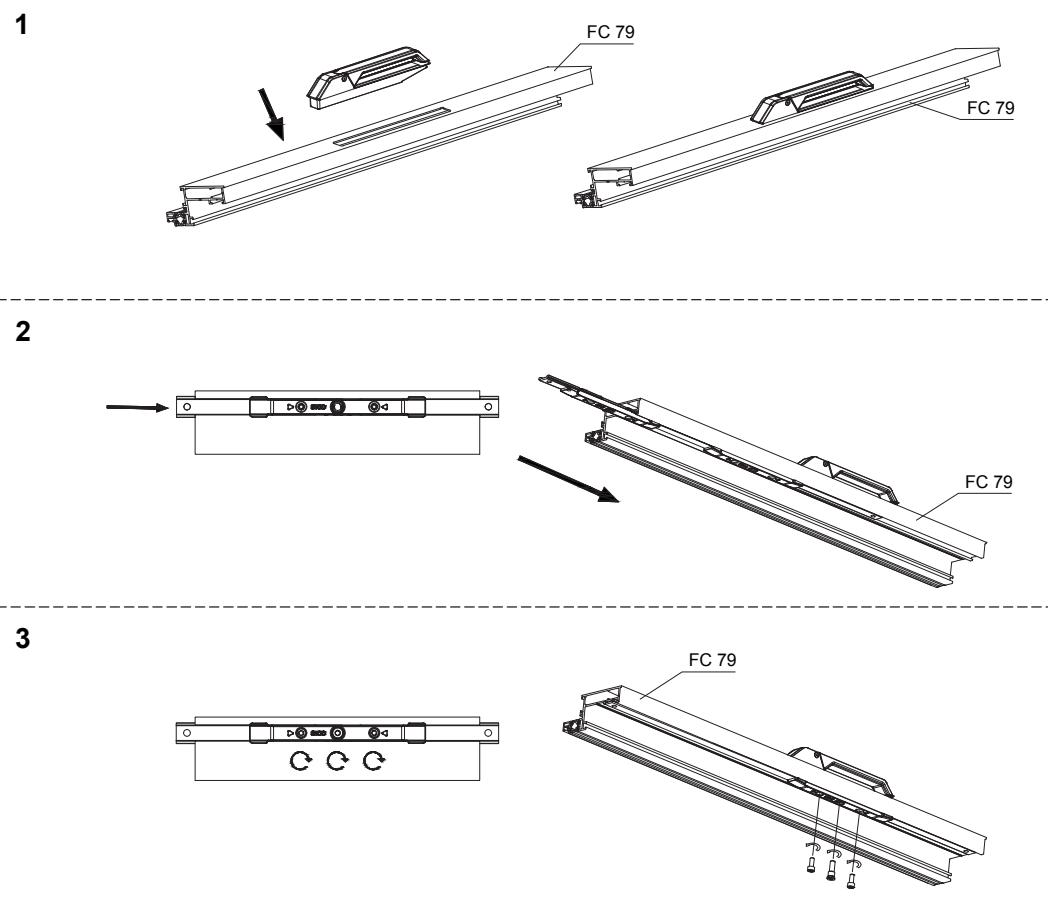
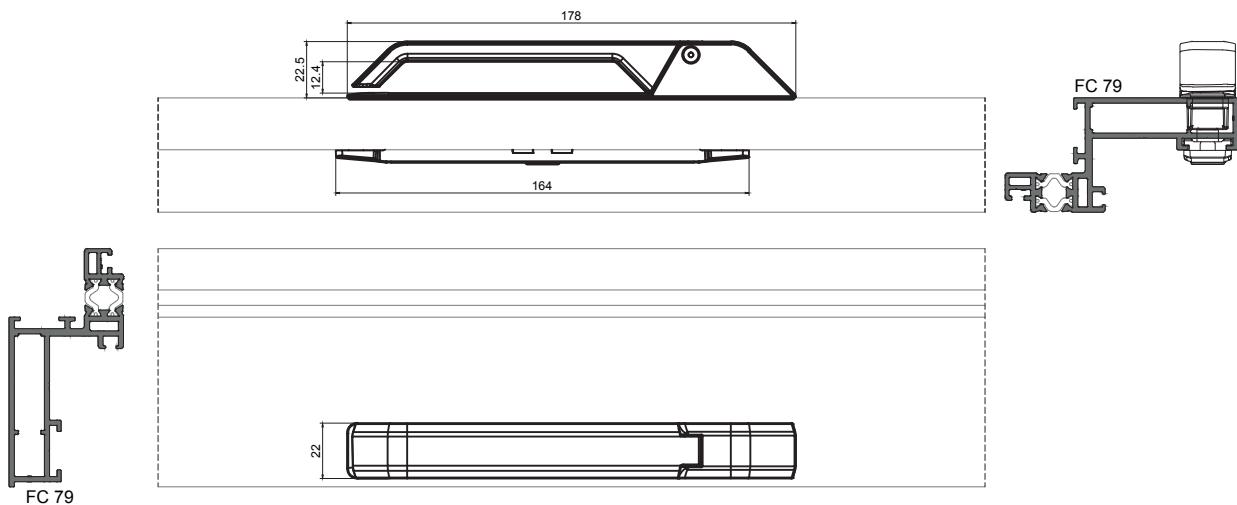
223445 KIT PONTO DE FECHO ADICIONAL PROJECTANTE FC



MONTAGEM DE ACESSÓRIOS - MANETE PROJETANTE PLEXUS PARA JANELAS PROJETANTES

ACCESSORIES ASSEMBLY - FC HANDLE FOR AWNING WINDOWS

ASSEMBLAGE D'ACCESSOIRES - CREMONE FC POUR FENÊTRES À L'ITALIENNE



MONTAGEM DE ACESSÓRIOS - CREMONE PARA PORTAS

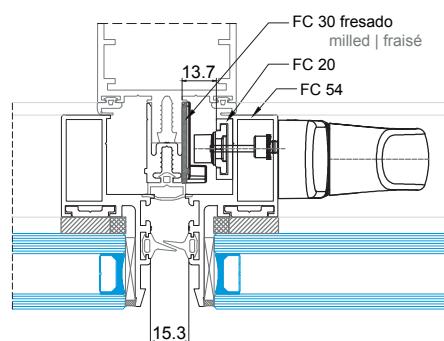
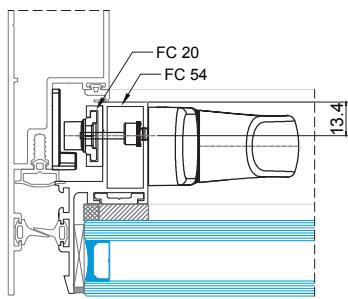
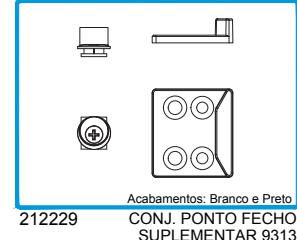
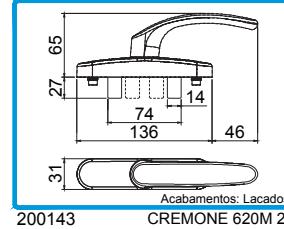
ACCESSORIES ASSEMBLY - DOOR HANDLE

ASSEMBLAGE D'ACCESSOIRES - CREMONE POUR PORTES

Porta de abertura para o exterior

Outward opening door

Porte d'ouverture vers l'extérieur

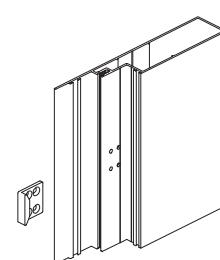
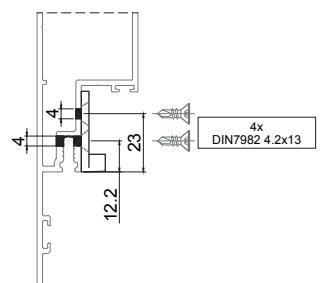
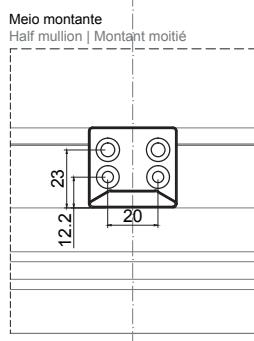
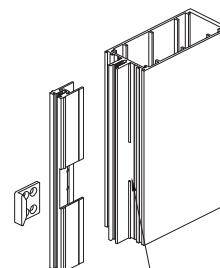
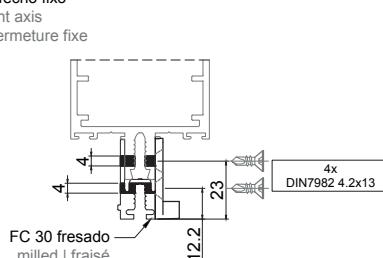
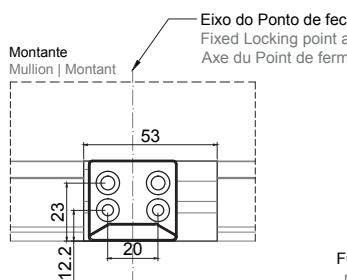
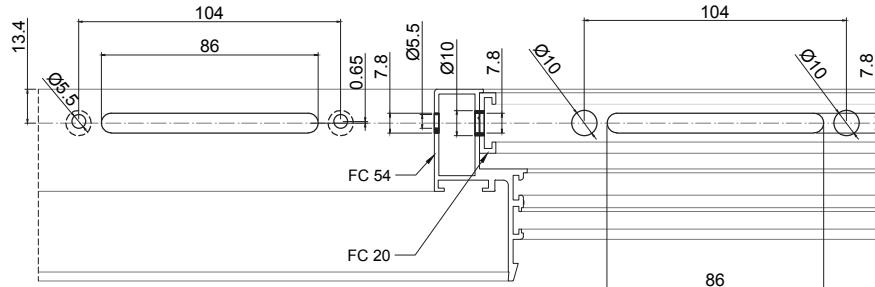


The FC 20 profile is fixed to the FC 54 profile without affecting the movement of the rod

Le profilé FC 20 est fixé au profilé FC 54 sans affecter le mouvement de la tige

Fresagem a efetuar no perfil móvel e no perfil FC 20

Milling to be performed on the mobile profile and on the FC 20 profile
Fraisage à effectuer sur le profilé mobile et le profilé FC 20



MONTAGEM DE ACESSÓRIOS - CREMONE PARA PORTAS

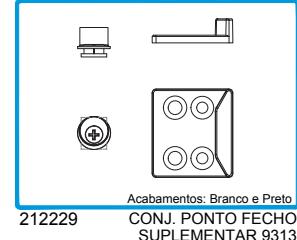
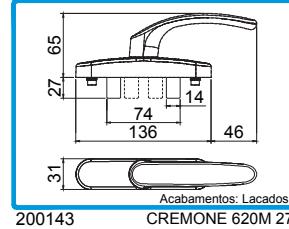
ACCESSORIES ASSEMBLY - DOOR HANDLE

ASSEMBLAGE D'ACCESSOIRES - CREMONE POUR PORTES

Porta de abertura para o exterior

Outward opening door

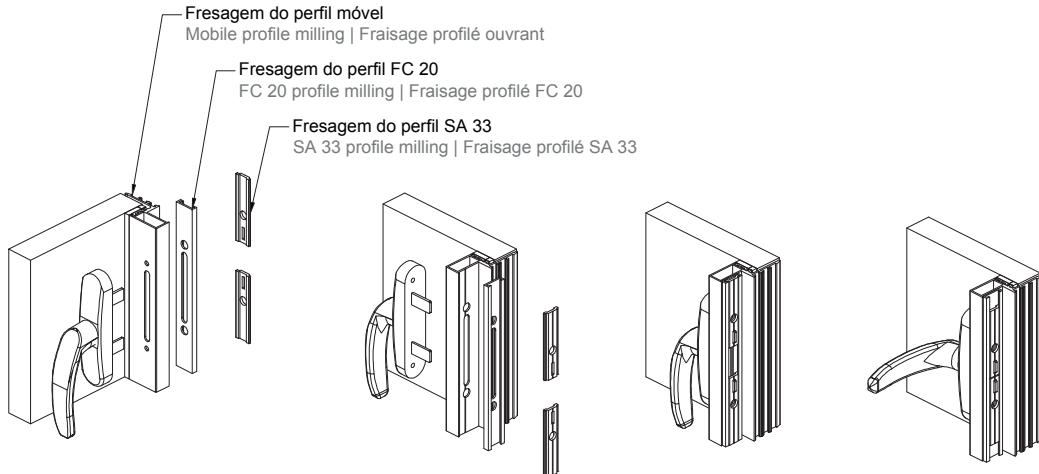
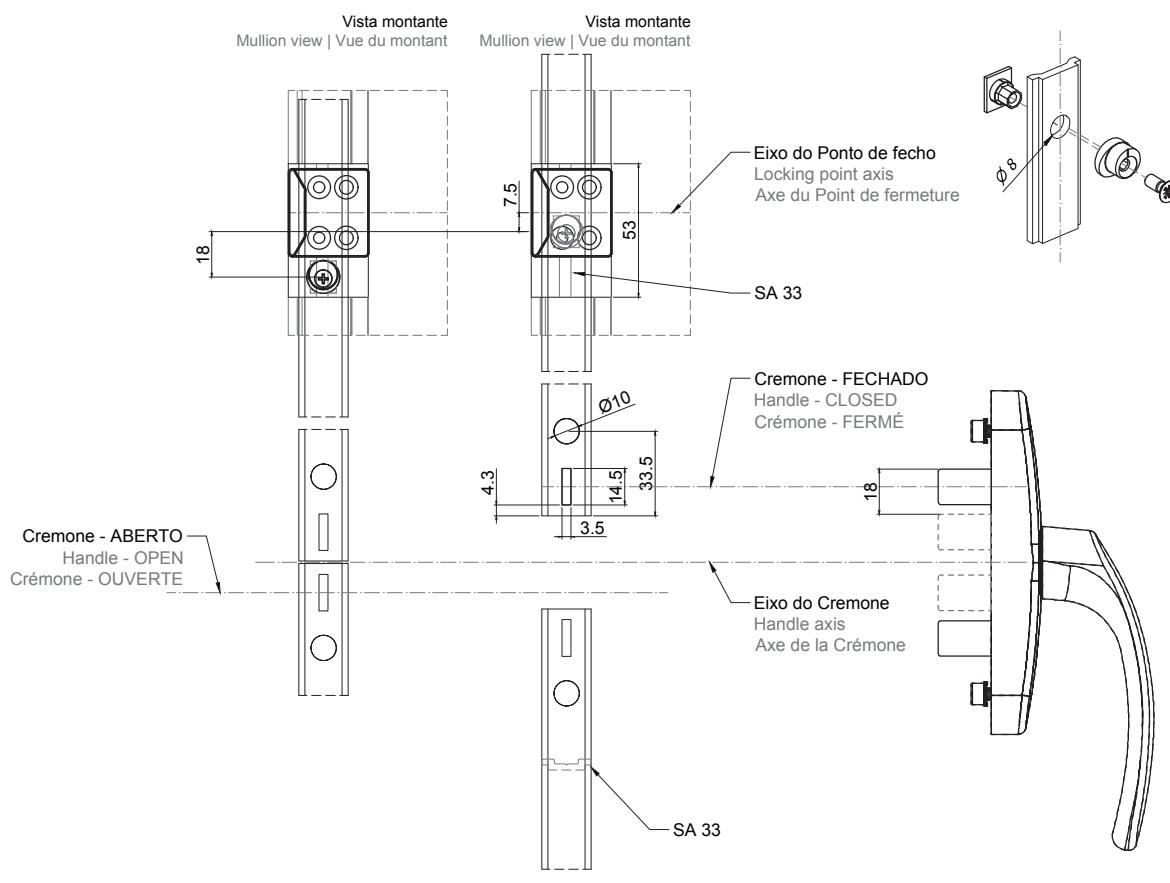
Porte d'ouverture vers l'extérieur



Esquema de fixação dos Pontos de fecho na vareta SA 33

Fixing scheme for the Locking points on the SA 33 rod

Schéma de fixation des Points de fermeture sur la tige SA 33



MONTAGEM DE ACESSÓRIOS - CREMONE PARA PORTAS

ACCESSORIES ASSEMBLY - DOOR HANDLE

ASSEMBLAGE D'ACCESSOIRES - CREMONE POUR PORTES

Porta de abertura para o exterior

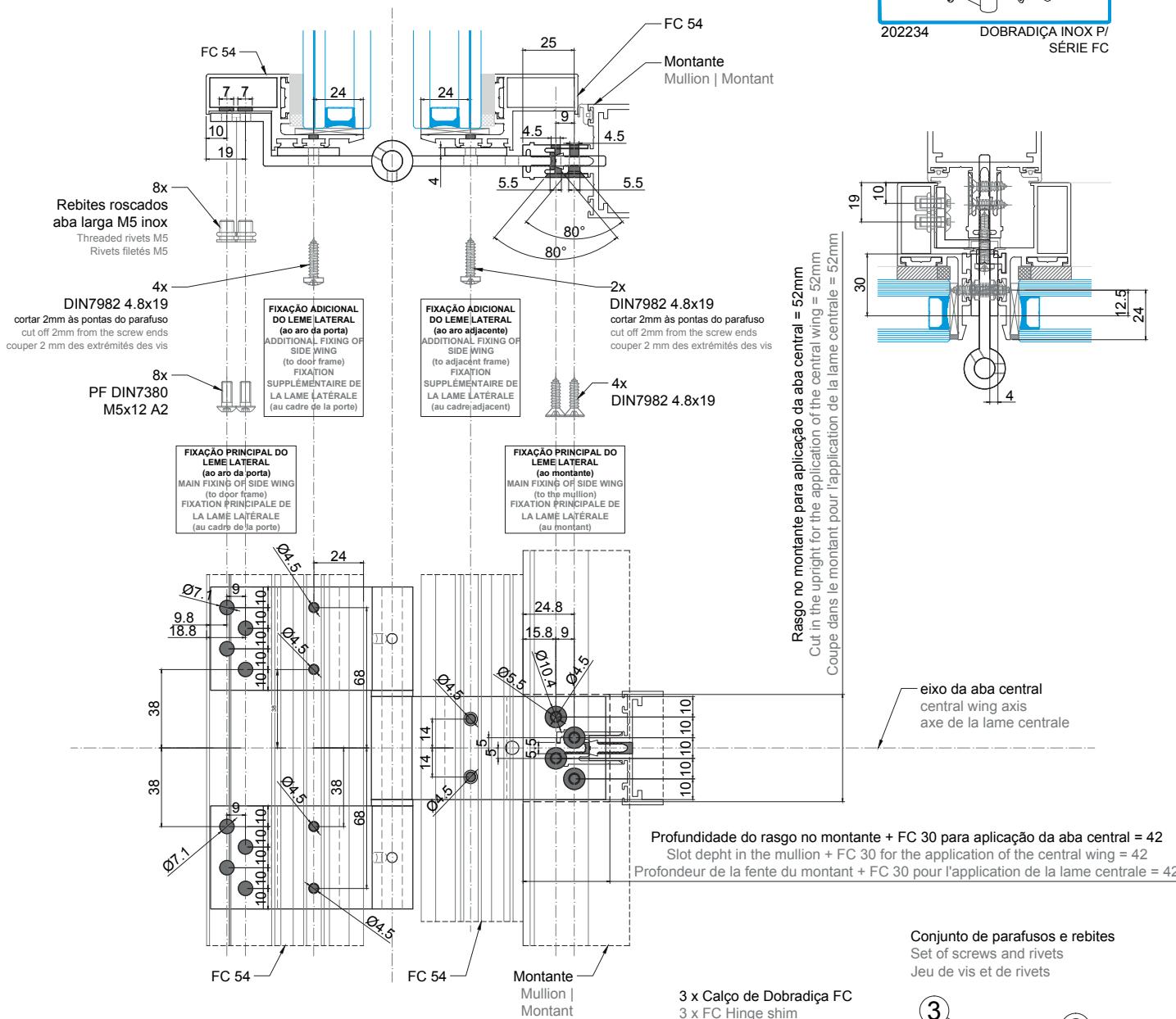
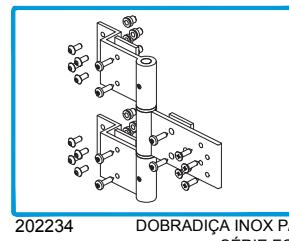
Outward opening door

Porte d'ouverture vers l'extérieur

Esquema de furação para fixação da Dobradiça FC

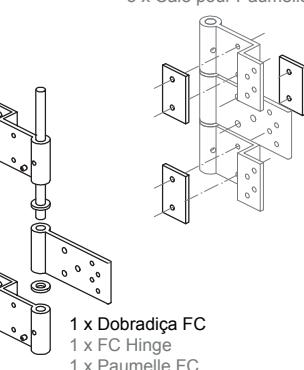
Drilling scheme for the FC Hinge fixation

Schéma de perçage pour fixation de la Paumelle FC

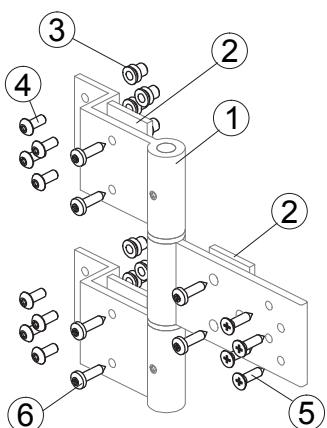


Posição Position Position	Composição da Dobradiça Inox FC FC Stainless Steel Hinge Composition Composition de la paumelle en acier inoxydable FC	Quant. Quant. Quant.
1	Dobradiça inox 3 lemes, fiel, anilhas e pernos roscados 3 wings hinge, pin, washers and threaded studs Paumelle en acier inox 3 lames, goupille, rondelles et goujons filets	1
2	Calços de inox Stainless steel shims Cales en acier inoxydable	3
3	Rebites roscados aba larga M5 inox Threaded rivets M5 Rivets filetés M5	8
4	PF DIN7380 M5x12 A2	8
5	PF DIN7982 4.8x19 A2	4
6	PF DIN7981 4.8x19 A2	6

3 x Calço de Dobradiça FC
3 x FC Hinge shim
3 x Cale pour Paumelle FC



Conjunto de parafusos e rebites
Set of screws and rivets
Jeu de vis et de rivets



MONTAGEM DE ACESSÓRIOS - ACIONADORES PARA FC-ESTRUTURAL E FC-DEC

ACCESSORIES ASSEMBLY - ACTUATORS FOR FC- CAPPED CURTAIN WALL AND FC-DEC

ASSEMBLAGE D'ACCESSOIRES - BÔITIER À CHAÎNE POUR FC-MUR RIDEU TRAME TRADICIONNELLE ET FC-DEC



212647 ACIONADOR ELÉTRICO SÍNCRON. 240VAC



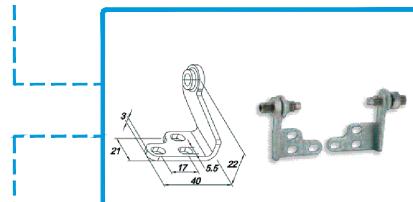
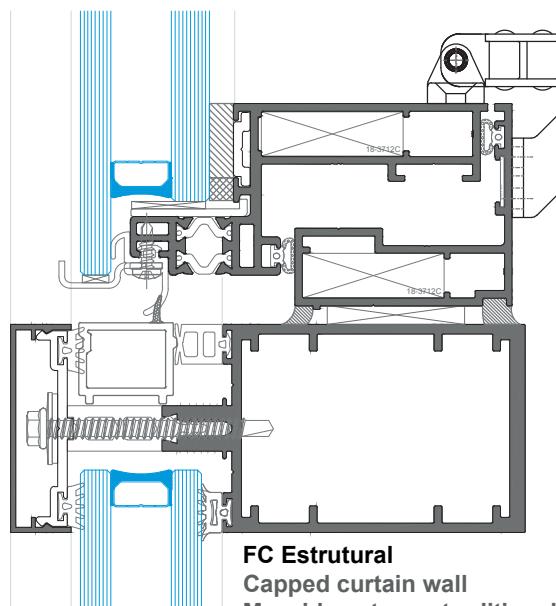
212648 ACIONADOR ELÉTRICO SÍNCRON. 24VDC



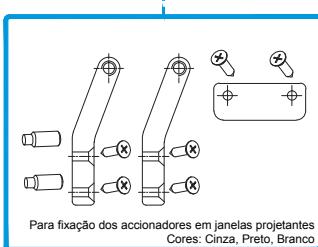
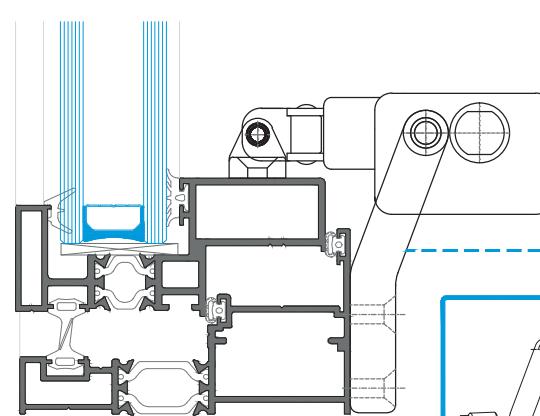
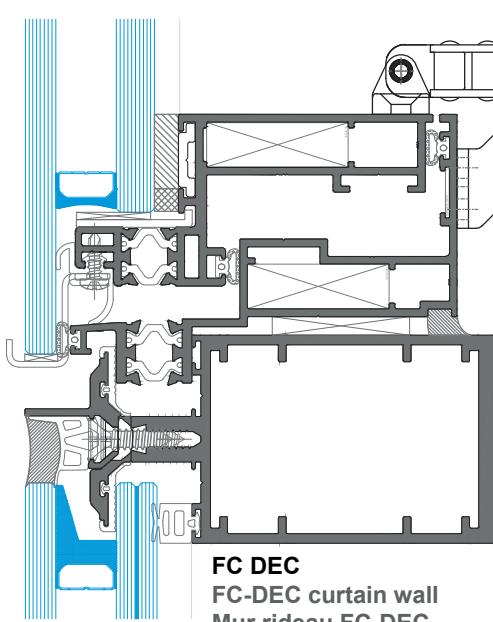
212640 ACIONADOR 40837Z (Nat.)
212644 ACIONADOR 40837Z (Br.)
212645 ACIONADOR 40837Z (Pr.)



212036 ACIONADOR ELÉTRICO DUPLO 240V



223120 KIT FIX. ACIONADOR 41901I (Cinz.)
223121 KIT FIX. ACIONADOR 41902J (Pr.)
223122 KIT FIX. ACIONADOR 41903K (Br.)



223469 KIT FIX. ACIONADOR 40941H (Cinz.)
223471 KIT FIX. ACIONADOR 40942I (Pr.)
223472 KIT FIX. ACIONADOR 40943J (Br.)

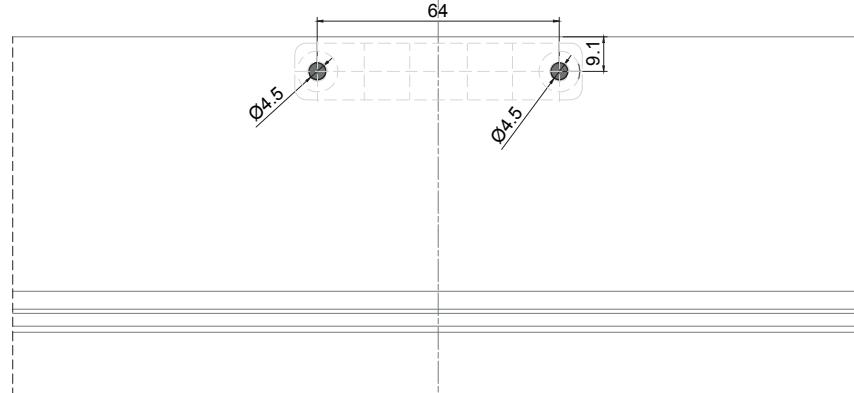
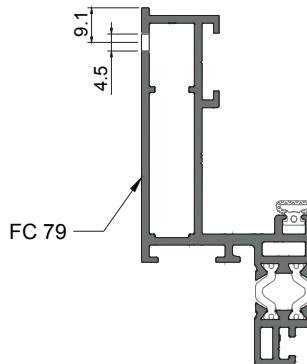
MONTAGEM DE ACESSÓRIOS - ACIONADORES PARA FC-ESTRUTURAL E FC-DEC

ACCESSORIES ASSEMBLY - ACTUATORS FOR FC- CAPPED CURTAIN WALL AND FC-DEC

ASSEMBLAGE D'ACCESSOIRES - BÔITIER À CHAÎNE POUR FC-MUR RIDEU TRAME TRADICIONNELLE ET FC-DEC

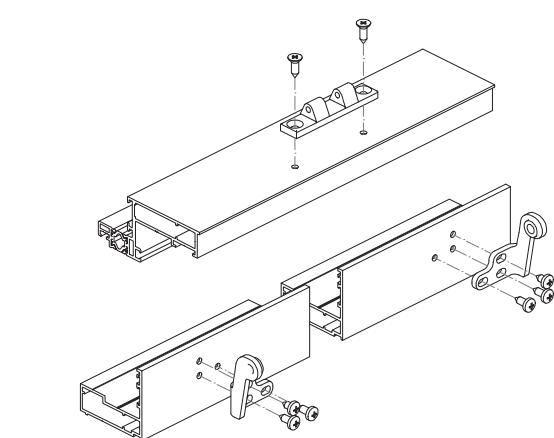
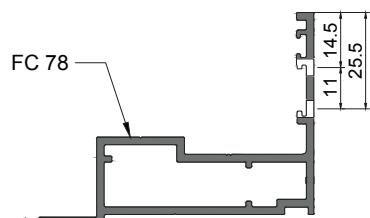
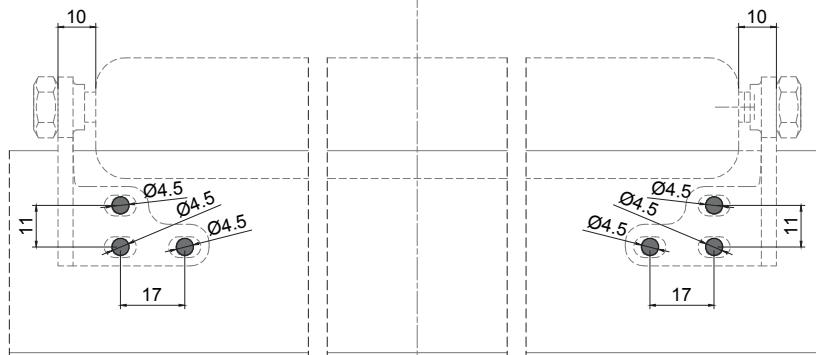
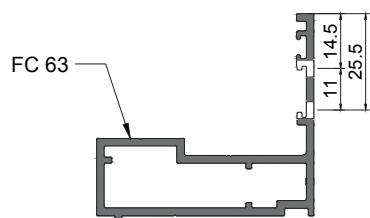
1) Maquinação e fixação no aro móvel

Machining and fixing on the mobile frame
Usinage et fixation sur le cadre ouvrant



2) Maquinação e fixação no aro fixo

Machining and fixing on the fixed frame
Usinage et fixation sur le cadre dormant



MONTAGEM DE ACESSÓRIOS - LIGAÇÃO DE ACIONADORES SINCRONIZADOS

ACCESSORIES ASSEMBLY - SYNCHRONOUS ACTUATORS CONNECTIONS

ASSEMBLAGE D'ACCESSOIRES - CONNEXION DES BÔITIER À CHAÎNE SYNCRONES

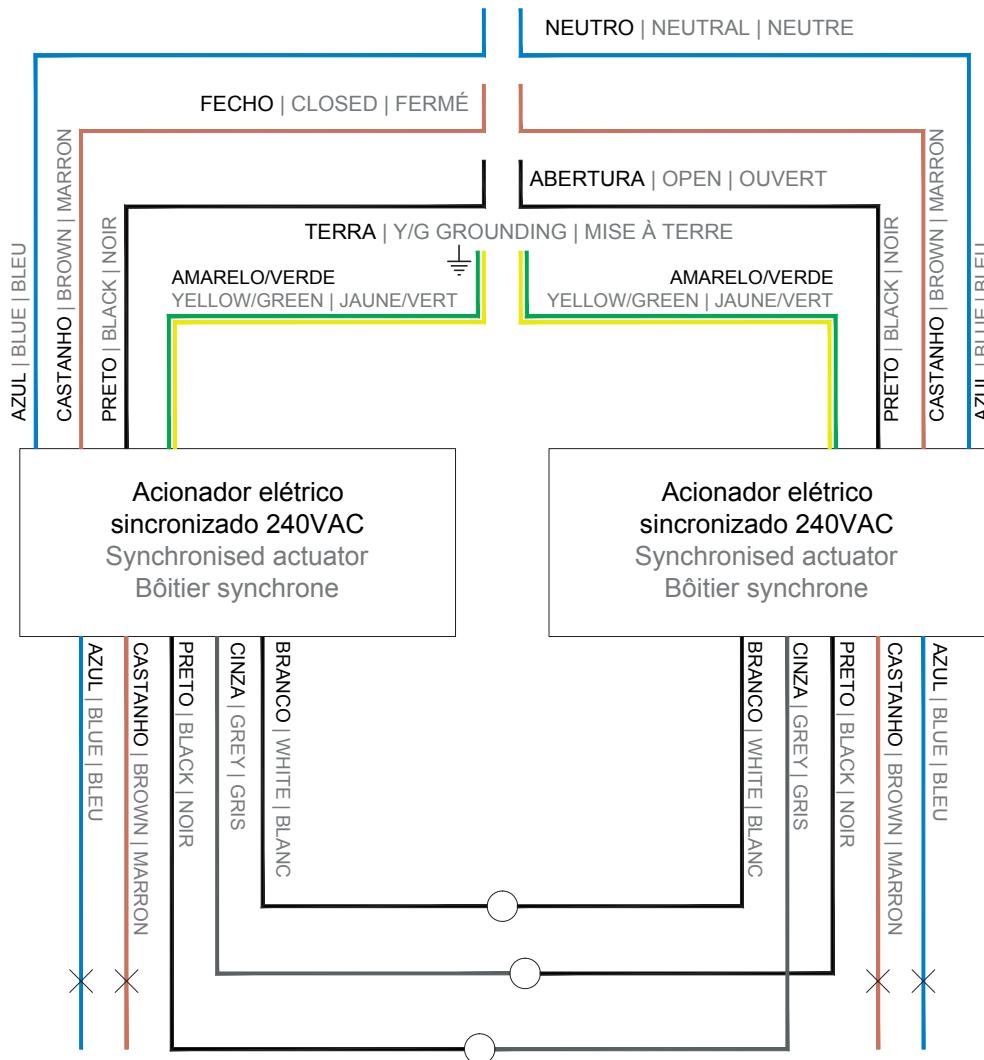
Ligações quando todos os acionadores sincronizados são AC:

Connections when all synchronised actuators are AC

Connexions lorsque tous les actionneurs synchrones sont en AC



212647 ACIONADOR ELÉTRICO SINCRON.
(2 UN.) 240VAC



MONTAGEM DE ACESSÓRIOS - LIGAÇÃO DE ACIONADORES SINCRONIZADOS

ACCESSORIES ASSEMBLY - SYNCHRONOUS ACTUATORS CONNECTIONS

ASSEMBLAGE D'ACCESSOIRES - CONNEXION DES BÔITIER À CHAÎNE SYNCHRONES

Ligações quando aplicados acionadores sincronizados AC e DC

Connections when using synchronised actuators AC and DC

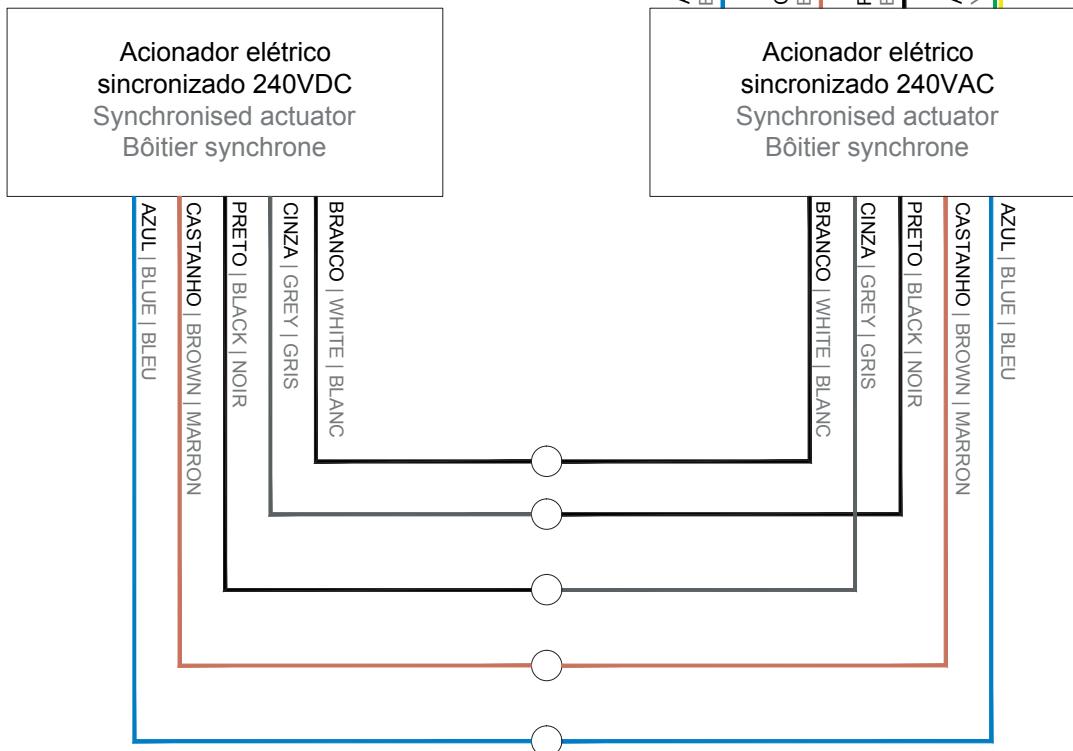
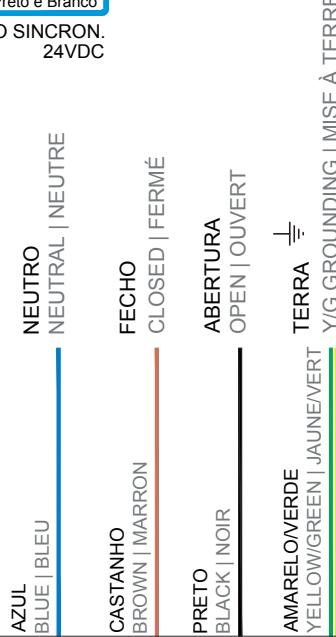
Connexions lorsque sont appliquées des actionneurs synchrones AC et DC



212647 ACIONADOR ELÉTRICO SINCRON.
240VAC
(1 UN.)



212648 ACIONADOR ELÉTRICO SINCRON.
24VDC
(1 UN.)



MONTAGEM DE ACESSÓRIOS - LIGAÇÃO DE ACIONADORES SINCRONIZADOS

ACCESSORIES ASSEMBLY - SYNCHRONOUS ACTUATORS CONNECTIONS

ASSEMBLAGE D'ACCESSOIRES - CONNEXION DES BÔITIER À CHAÎNE SYNCHRONES

Ligações quando aplicados acionadores sincronizados AC e DC

Connections when using synchronised actuators AC and DC

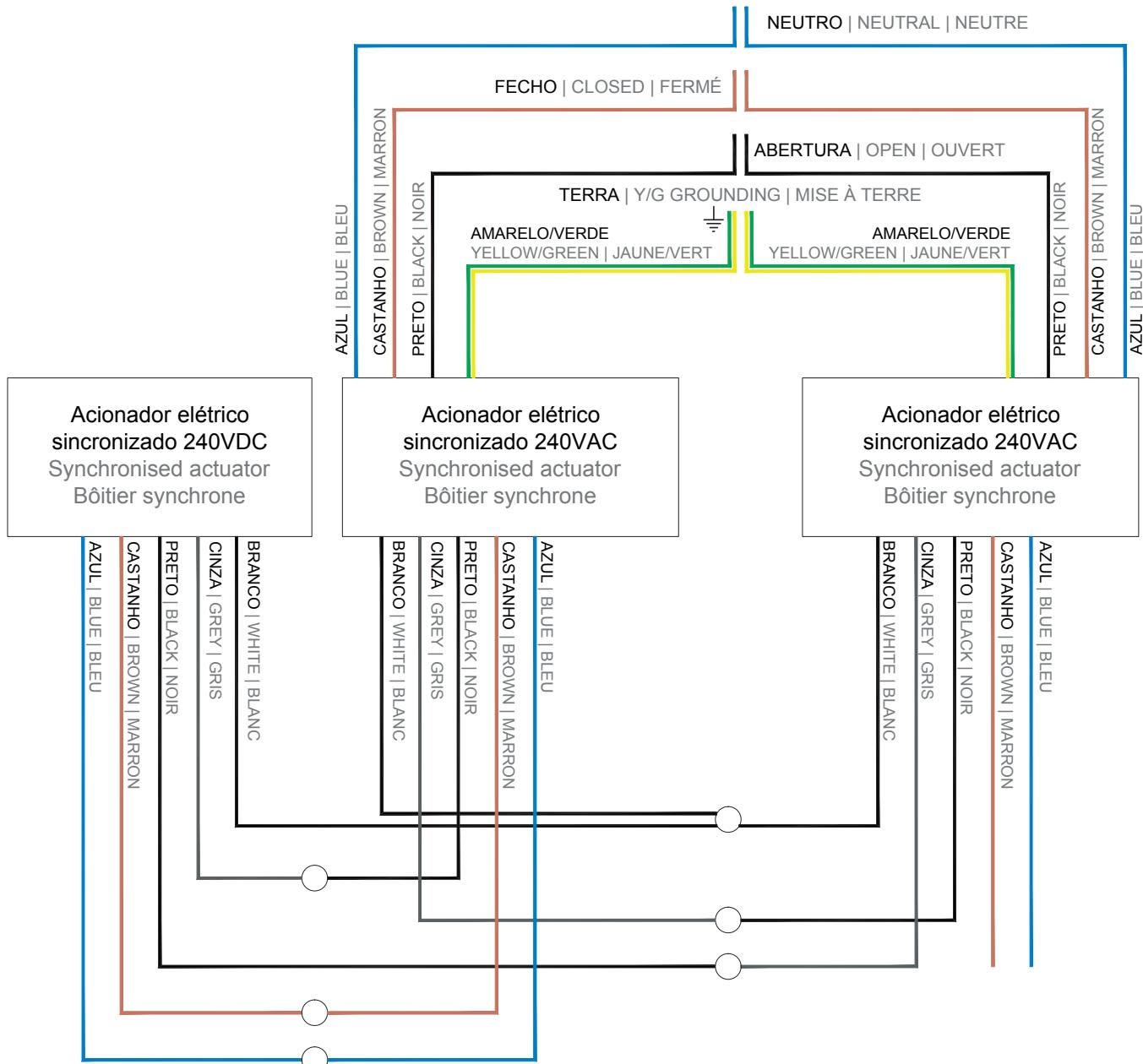
Connexions lorsque sont appliquées des actionneurs synchrones AC et DC



212647 ACIONADOR ELÉTRICO SINCRON.
240VAC
(2 UN.)



212648 ACIONADOR ELÉTRICO SINCRON.
24VDC
(1 UN.)



MONTAGEM DE ACESSÓRIOS - LIGAÇÃO DE ACIONADORES SÍNCRONIZADOS
ACCESSORIES ASSEMBLY - SYNCHRONOUS ACTUATORS CONNECTIONS
ASSEMBLAGE D'ACCESSOIRES - CONNEXION DES BÔITIER À CHAÎNE SYNCHRONES

Ligações quando aplicados acionadores sincronizados AC e DC

Connections when using synchronised actuators AC and DC

Connexions lorsque sont appliquées des actionneurs synchrones AC et DC

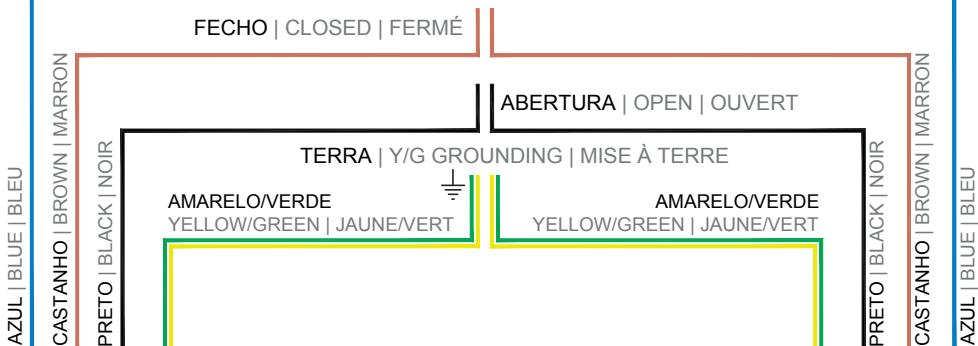
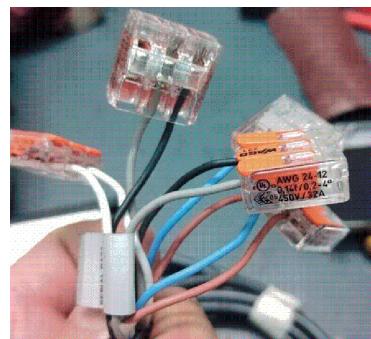


212647 ACIONADOR ELÉTRICO SÍNCRON. 240VAC (2 UN.)



212648 ACIONADOR ELÉTRICO SÍNCRON. 24VDC (2 UN.)

NEUTRO | NEUTRAL | NEUTRE



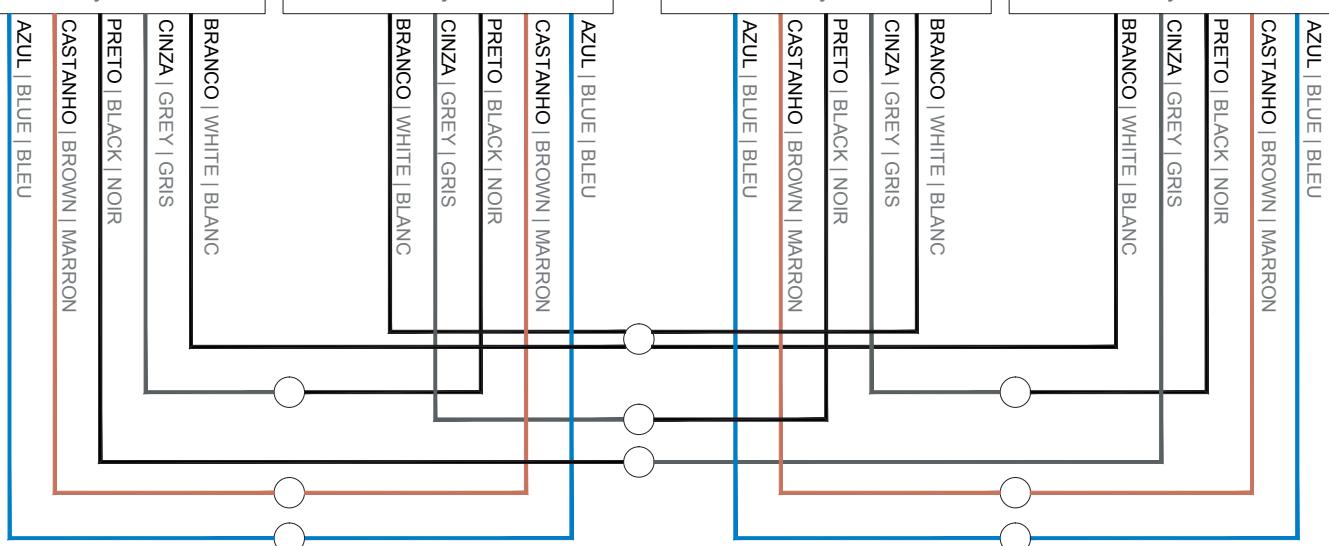
Acionador elétrico sincronizado 240VDC
Synchronised actuator Bôitier synchrone

Acionador elétrico sincronizado 240VAC
Synchronised actuator Bôitier synchrone

Acionador elétrico sincronizado 240VDC
Synchronised actuator Bôitier synchrone

Acionador elétrico sincronizado 240VAC
Synchronised actuator Bôitier synchrone

AZUL BLUE BLEU	BRANCO WHITE BLANC	AZUL BLUE BLEU	AZUL BLUE BLEU
CASTANHO BROWN MARRON	CINZA GREY GRIS	CASTANHO BROWN MARRON	CASTANHO BROWN MARRON
PRETO BLACK NOIR	BRANCO WHITE BLANC	PRETO BLACK NOIR	PRETO BLACK NOIR



MONTAGEM DE ACESSÓRIOS - LIGAÇÃO DE ACIONADORES SÍNCRONIZADOS

ACCESSORIES ASSEMBLY - SYNCHRONOUS ACTUATORS CONNECTIONS

ASSEMBLAGE D'ACCESSOIRES - CONNEXION DES BÔITIER À CHAÎNE SYNCHRONES

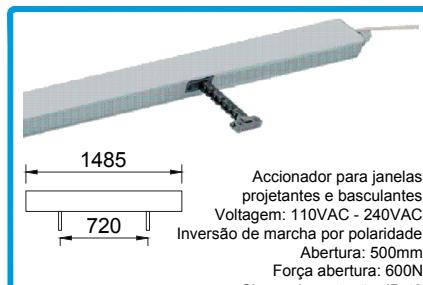
Ligações para acionadores 220-240VAC com comando

Connections for 220-240VAC actuators with remote control

Connexions pour les actionneurs 220-240VAC avec télécommande



212640 ACIONADOR 40837Z (Nat.)
212644 ACIONADOR 40837Z (Br.)
212645 ACIONADOR 40837Z (Pr.)



212036 ACIONADOR ELÉTRICO DUPLO PROJ.BASC. 240VAC



214269 COMANDO DIST. RF P1



299142 RECETOR RÁDIO BIDI-SHUTTER

Para programar o comando deverá:

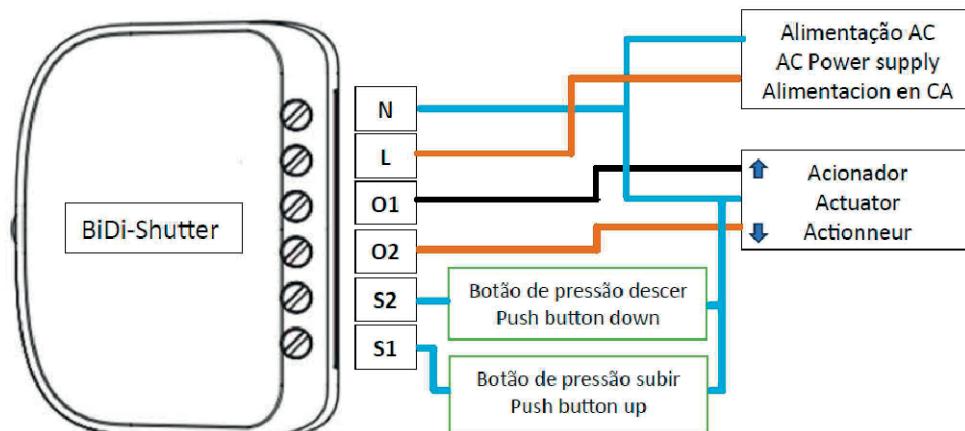
To program the remote control you must | Pour programmer la commande, vous devez:

1. Ligar o acionador à corrente
Connect the actuator to the AC supply | Connecter l'actionneur à l'alimentation électrique
2. O led indicador (localizado na parte superior do BIDI-SHUTTER) vai piscar 2 vezes a vermelho. Assim que apagar, tem 10 segundos para pressionar qualquer tecla do comando que pretende programar. O led vai piscar 3 vezes e na 3ª vez largar o botão do comando.
The LED indicator (located on the top of the BIDI-SHUTTER) will flash 2 times red. As soon as it goes off, you have 10 seconds to press any key of the remote control you want to program. The LED will flash 3 times and at the 3rd time release the remote control button.
L'indicateur LED (situé sur le dessus du BIDI-SHUTTER) clignotera 2 fois en rouge. Dès qu'il s'éteindra, vous avez 10 secondes pour appuyer sur n'importe quelle bouton de la télécommande que vous souhaitez programmer. La LED clignotera 3 fois et en la 3ème fois que vous relâchez relâchez le bouton de commande.
3. O botão estará pronto a funcionar
The button is ready to work
Le bouton est maintenant prêt à fonctionner.

Ligações para receptor rádio Bidi-Shutter

Bidi-Shutter radio receiver connections

Connexions du récepteur radio Bidi-Shutter



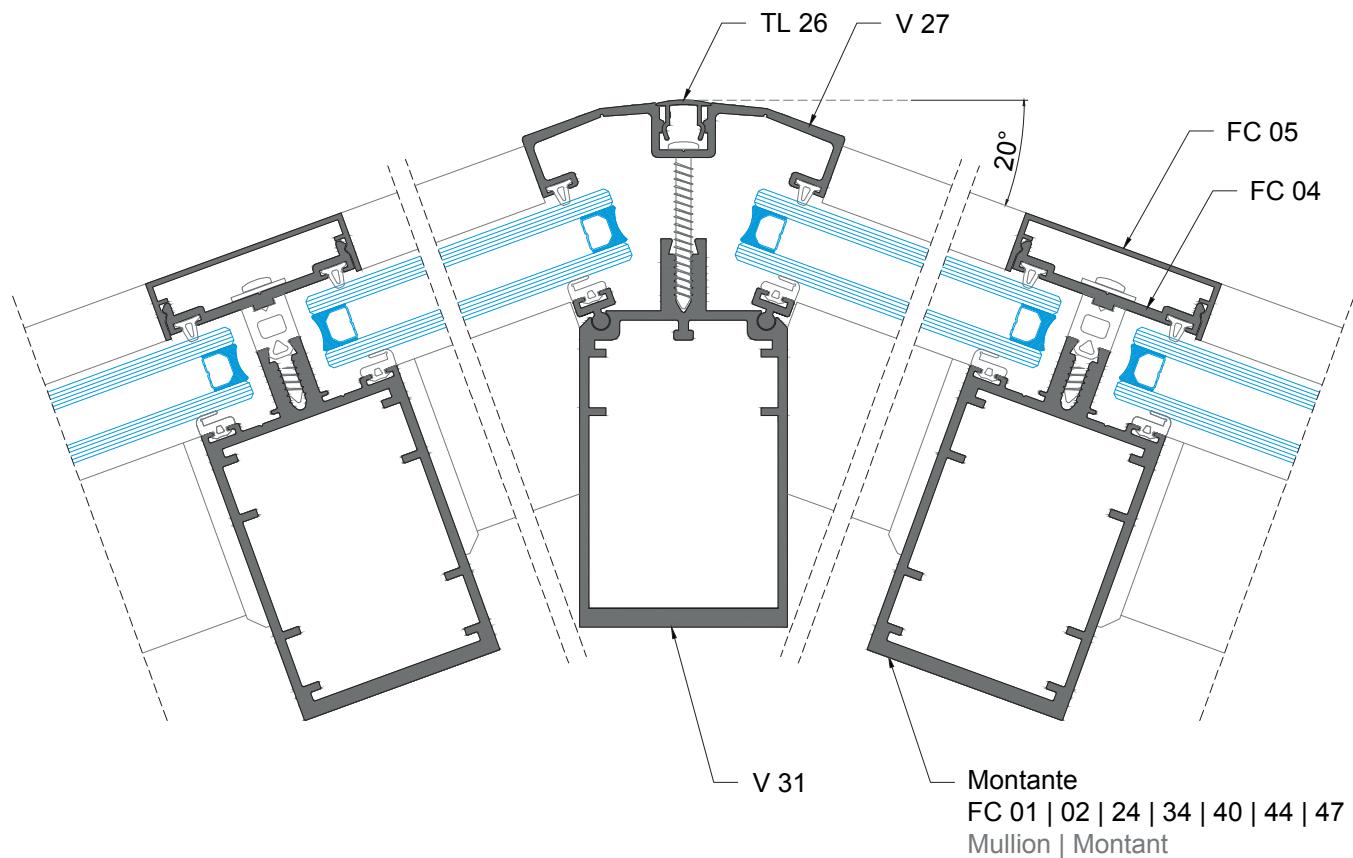
XI

DETALHES DE LIGAÇÃO
CONNECTION DETAILS | DÉTAILS DE CONNEXION

PORMENOR DE COBERTURA - LIGAÇÃO COM O SISTEMA V

ROOFING DETAIL - CONNECTION WITH V SYSTEM

DÉTAIL DE COUVERTURE - CONNEXION AVEC LE SYSTÈME V

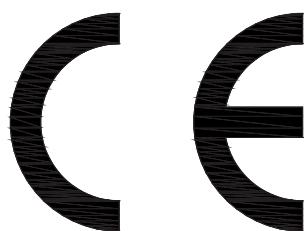


XII

ANOTAÇÕES
ANNOTATIONS | REMARQUES

ATUALIZAÇÕES REALIZADAS NESTA VERSÃO UPDATES MADE IN THIS VERSION MISES À JOUR EFFECTUÉES DANS CETTE VERSION	
1	<p>CAPÍTULO X - MONTAGENS - Acresentada informação técnica da montagem dos compassos SIDE HUNG, HD16R e SPSH16 e TOP HUNG HD16R; Correção do posicionamento do montante aplicado no acessório fixador de montante; Alteração da apresentação da informação sobre as características do compasso HD16R, e correção da designação, no CAPÍTULO III - ACESSÓRIOS.</p> <p>CHAPTER X - ASSEMBLIES - Added technical information about the assembly of the SIDE HUNG, HD16R and SPSH16 and TOP HUNG HD16R friction stays; Corrected the position of the mullion applied to the fixer accessory; Changed the presentation of the information about the characteristics of the HD16R compass, and corrected the designation in CHAPTER III - ACCESSORIES.</p> <p>CHAPITRE X - MONTAGES - Ajout d'informations techniques sur le montage des compas SIDE HUNG, HD16R et SPSH16 et TOP HUNG HD16R ; Correction du positionnement du montant appliquée à l'accessoire de fixation du montant ; Modification de la présentation des informations sur les caractéristiques du compas HD16R, et correction de la désignation dans le CHAPITRE III ACCESSOIRES.</p>
2	<p>Alteração das características para mais restritivas, dos compassos SIDE HUNG, HD16R e SPSH16 - acresentado no capítulo dos pormenores FC-Estrutural a solução SIDE HUNG, na solução janela com FC63 e FC 79</p> <p>Change to the more restrictive characteristics of the SIDE HUNG, HD16R and SPSH16 bars - addition of the SIDE HUNG solution in the FC-Capped curtain wall details chapter, in the window solution with FC63 and FC 79</p> <p>Modification des caractéristiques plus restrictives des compas SIDE HUNG, HD16R et SPSH16 - ajout de la solution SIDE HUNG dans le chapitre FC-Mur rideau trame traditionnelle, dans la solution de fenêtre avec FC63 et FC 79</p>
3	<p>CAP III ACESSÓRIOS - Alterado o desenho da anilha AN001; Correção dos metros da junta RT 001; Atualização do desenho do acessório 212219 (conj. limitador de abertura braço proj. 180012)</p> <p>CAP III ACCESSORIES - AN001 washer design changed; RT 001 joint metre correction; Updated drawing for accessory 212219 (arm opening limiter 180012)</p> <p>ACCEESOIRE CAP III - Changement de la conception de la rondelle AN001; Correction des mètres de joints RT 001; Mise à jour du dessin de l'accessoire 212219 (limiteurs d'ouverture 180012)</p>
4	<p>CAP VIII PORMENORES FC-DEC - indicação na págs. VIII-3 sobre o silicone a aplicar</p> <p>CAP VIII FC-DEC DETAILS - indication on page VIII-3 of the silicone to be applied</p> <p>CAP VIII FC-DEC DÉTAILS - indication à la page VIII-3 du silicone à appliquer</p>
5	<p>CAP III ACESSÓRIOS e CAP X MONTAGENS - inserida a informação sobre a manete PLEXUS na listagem de acessórios e nas montagens CAP III ACCESSORIES and CAP X ASSEMBLIES - inserted information about the PLEXUS handle in the list of accessories and assemblies ACCESSOIRES CAP III et ASSEMBLAGES CAP X - des informations sur la poignée PLEXUS ont été ajoutées à la liste des accessoires et des assemblages</p>
6	<p>CAP II PERFIS - Acresentando o perfil FC99 na lista de perfis e na lista com as respetivas inércias</p> <p>CAP II PROFILES - FC99 profile added to the list of profiles and to the list with their inertias</p> <p>CAP II PROFILS - Ajout le profilé FC99 à la liste des profilés et à la liste avec leurs inerties</p>
7	<p>CAP X MONTAGENS - Introduziu-se uma nova página sobre o perfil FC99</p> <p>CAP X ASSEMBLIES - A new page has been introduced about the FC99 profile</p> <p>CAP X ASSEMBLIES - Une nouvelle page a été introduite sur le profilé FC99</p>
8	<p>Corrigida a espessura do perfil KL 20 e acresentando o perfil KL 15</p> <p>Corrected the thickness of the KL 20 profile and added the KL 15 profile</p> <p>Corrigé l'épaisseur du profilé KL 20 et ajouté le profilé KL 15</p>
9	<p>O artigo 299089 (Recetor TT2N) foi descontinuado e foi substituído pelo artigo 299142 (Recetor Bidi-shutter)</p> <p>Article 299089 (TT2N Receiver) has been discontinued and replaced by article 299142 (Bidi-shutter Receiver)</p> <p>L'article 299089 (Récepteur TT2N) a été supprimé et remplacé par l'article 299142 (Récepteur Bidi-shutter).</p>

MARCAÇÃO



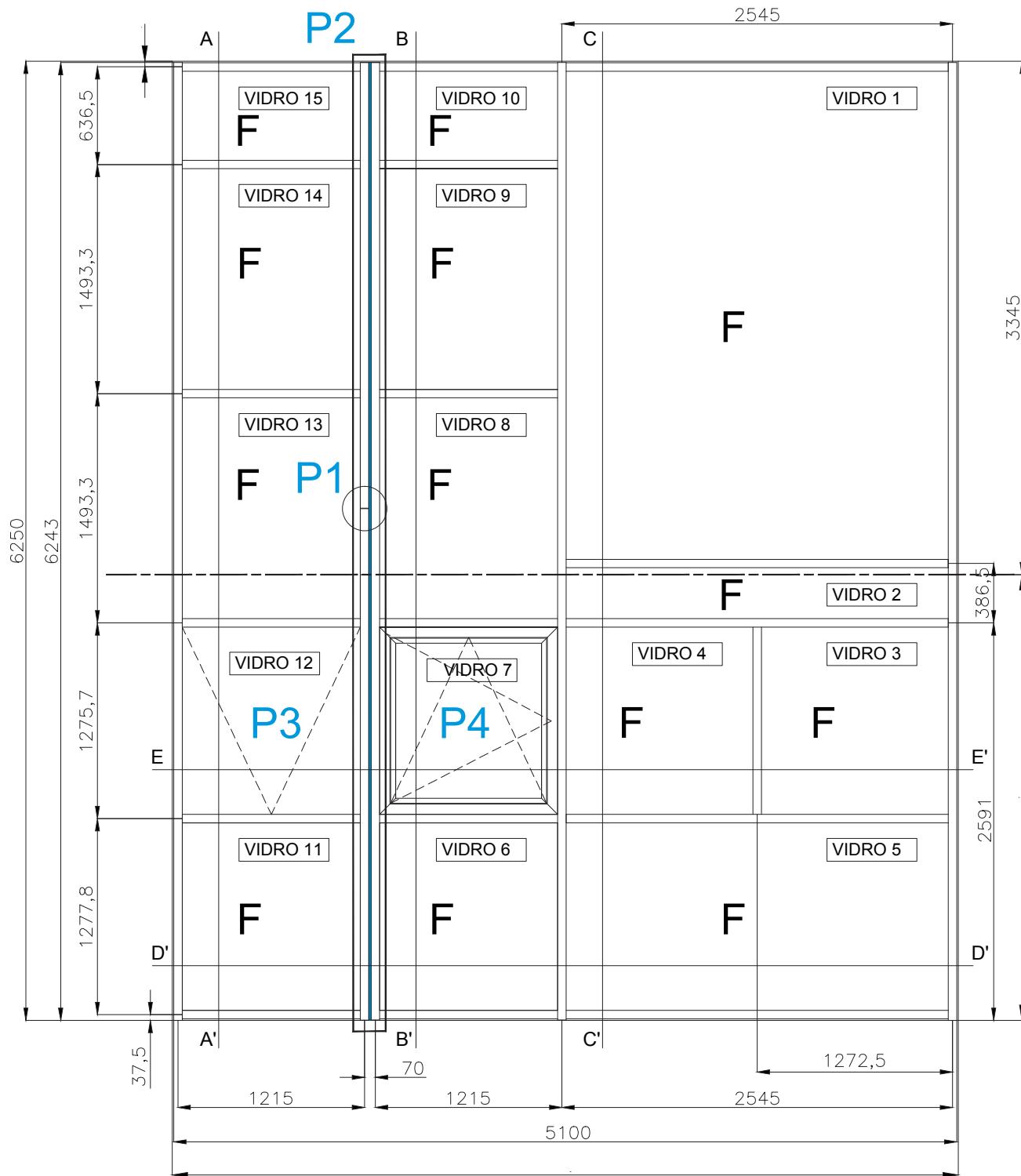
DESENHOS DA FACHADA ENSAIADA

ITT - FACHADA ESTRUTURAL

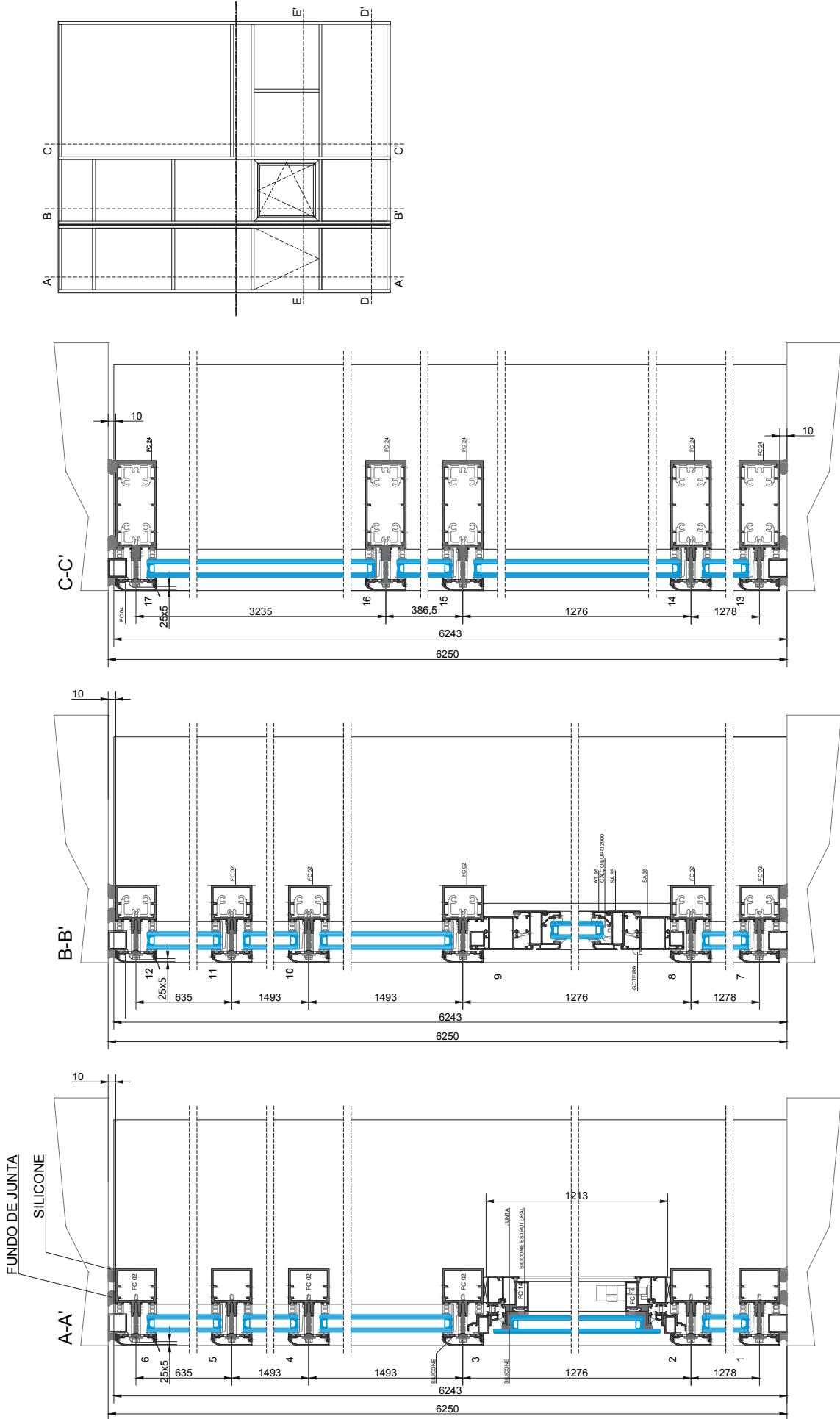
- CORTES VERTICIAS
- CORTES HORIZONTAIS
- TRAVESSAS
- MONTANTES
- JUNTA DE DILATAÇÃO HORIZONTAL
- JUNTA DE DILATAÇÃO VERTICAL
- RASGOS DE DRENAGEM DE ÁGUAS
- APLICAÇÃO DA UNIÃO P/ TRAVESSAS UT2807
- APLICAÇÃO DA UNIÃO FRONTAL P/ TRAVESSAS UT27
- APLICAÇÃO DOS VEDANTES

ITT - FACHADA ESTRUTURAL
VÃO ENSAIADO

P1 - JUNTA DE DILATAÇÃO VERTICAL
 P2 - JUNTA DE DILATAÇÃO HORIZONTAL
 P3 - JANELA FC - PROJETANTE
 P4 - JANELA 1 FOLHA OSCILO-BATENTE - SÉRIE SA

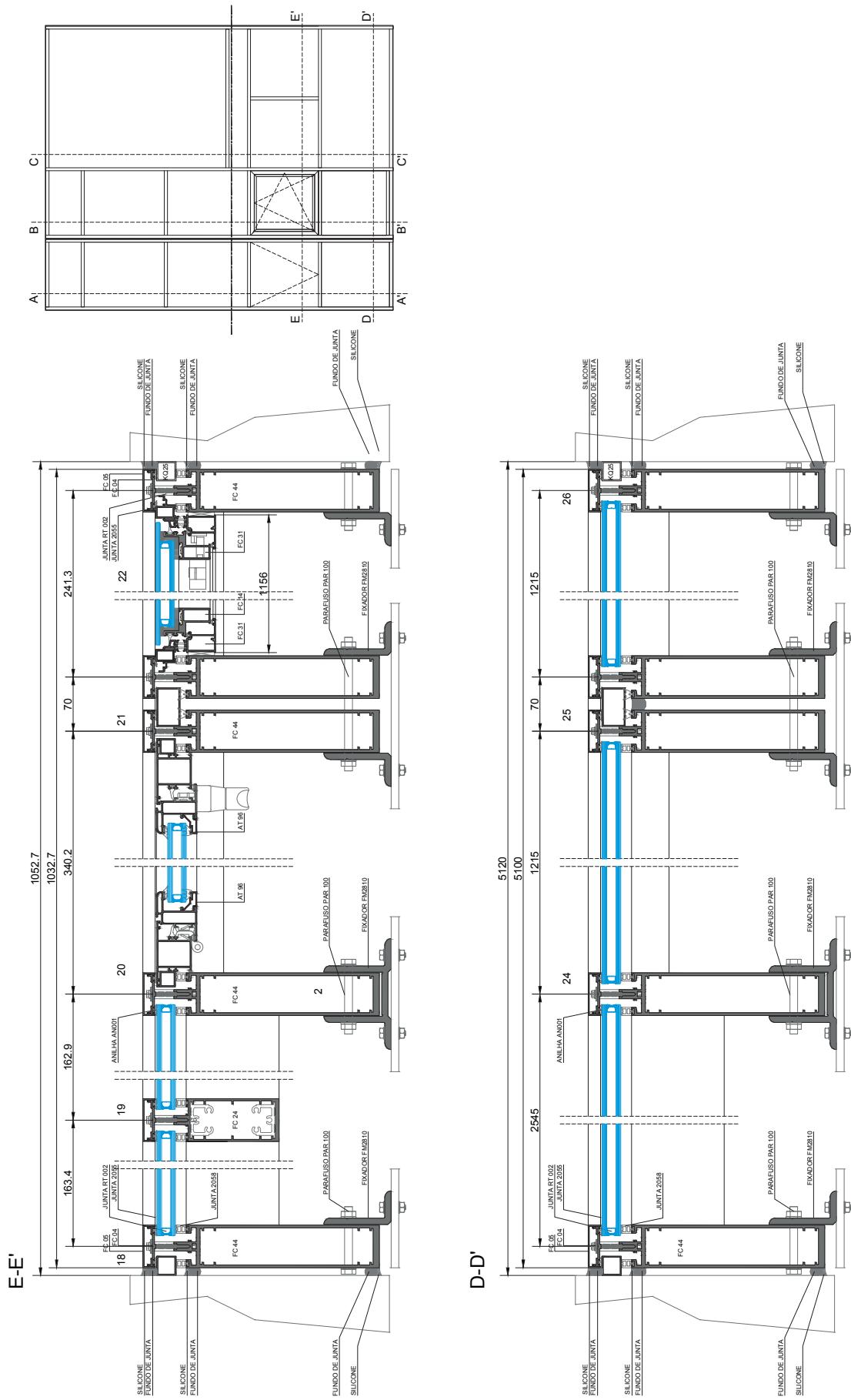


ITT - FACHADA ESTRUTURAL - VÃO ENSAIADO
CORTES VERTICais



ITT - FACHADA ESTRUTURAL - VÃO ENSAIADO
CORTE HORIZONTAL

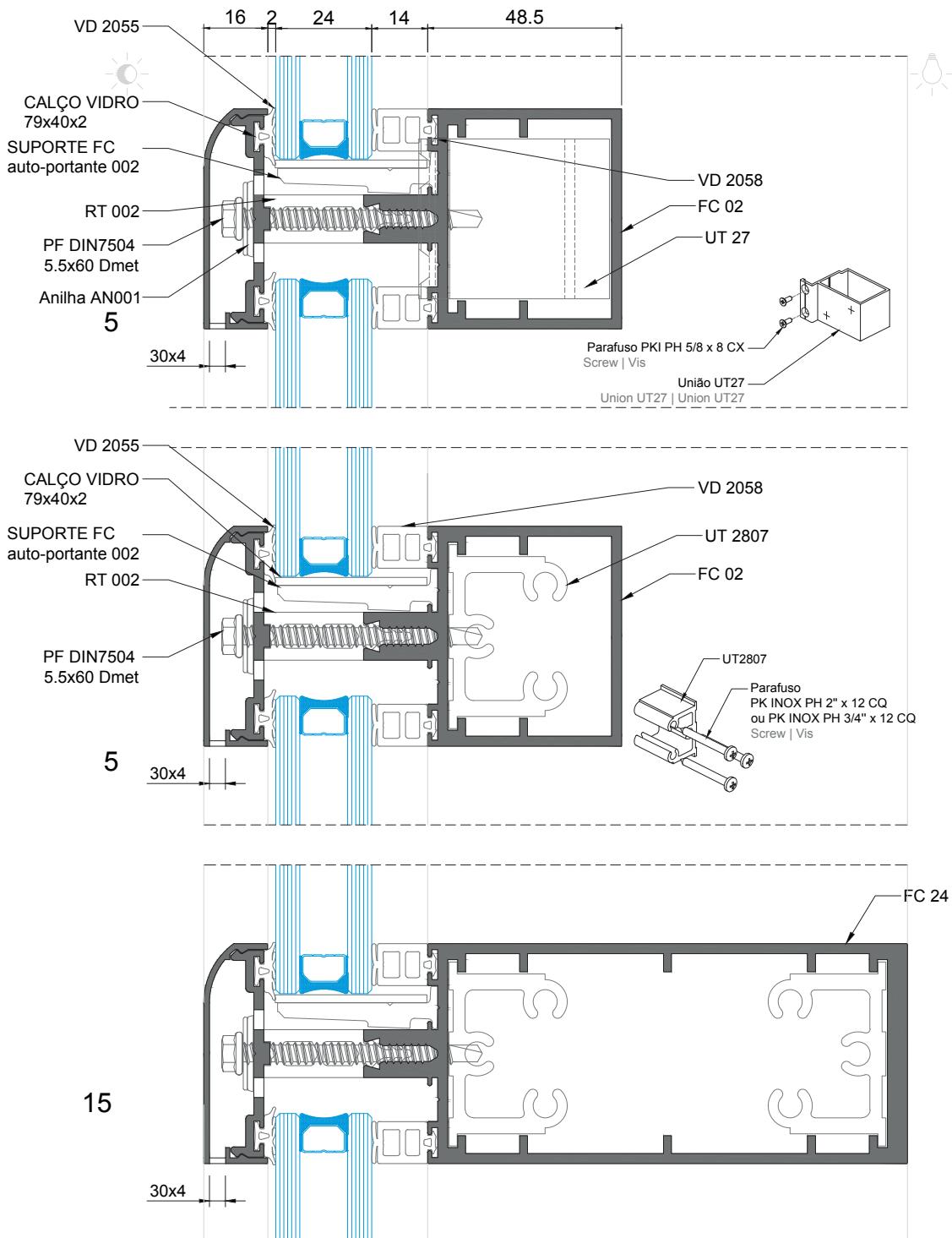
- P1 - JUNTA DE DILATAÇÃO VERTICAL
 - P2 - JUNTA DE DILATAÇÃO HORIZONTAL
 - P3 - JANELA FC - PROJETANTE
 - P4 - JANELA 1 FOLHA OSCILÔ-BATENTE - SÉRIE SA



FACHADA ESTRUTURAL - Travessas

CAPPED CURTAIN WALL - Transons

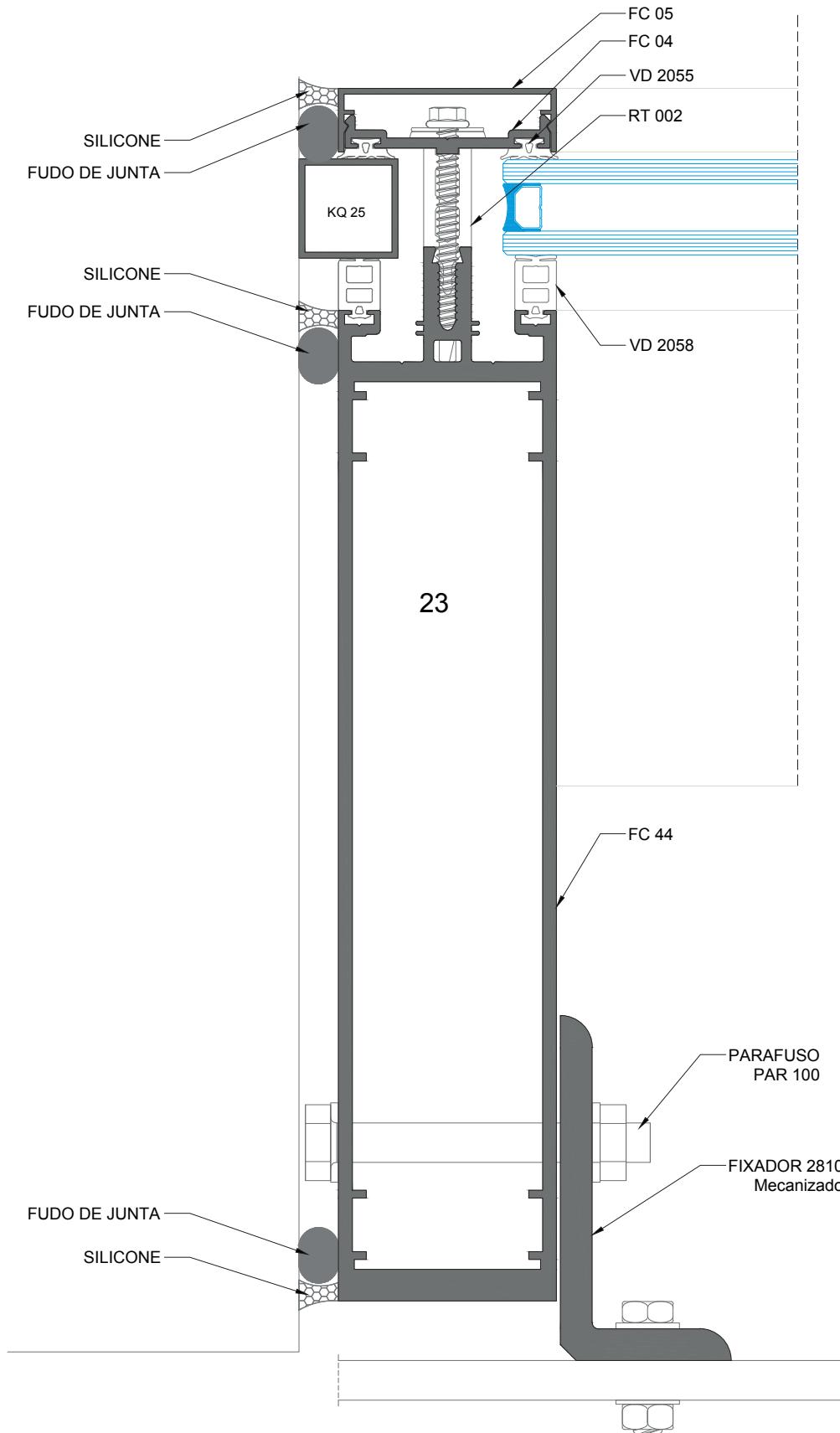
MUR RIDEAU - TRAME TRADITIONNELLE - Traverses



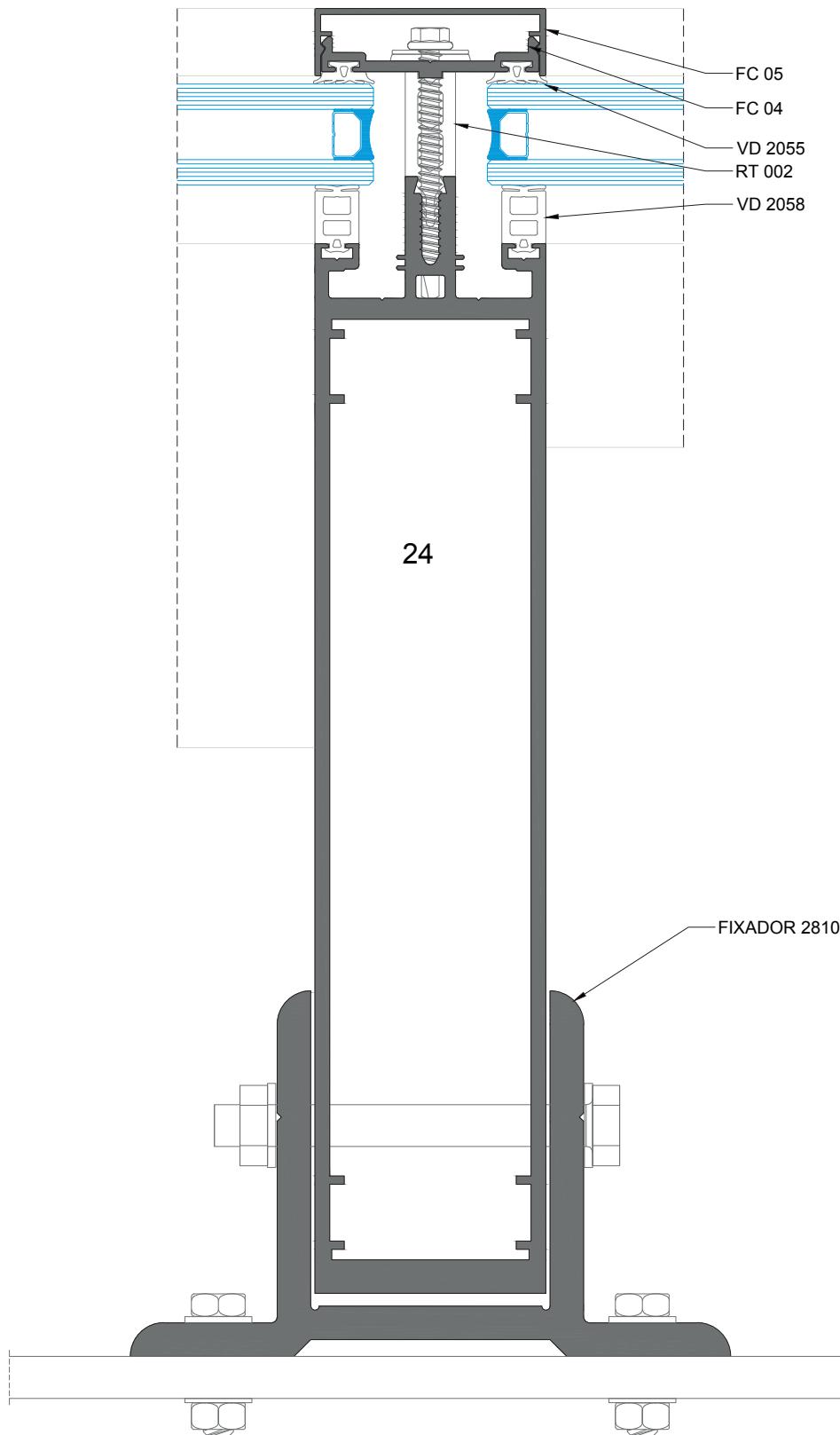
FACHADA ESTRUTURAL - Montantes

CAPPED CURTAIN WALL - Moulions

MUR RIDEAU - TRAME TRADITIONNELLE - Montant



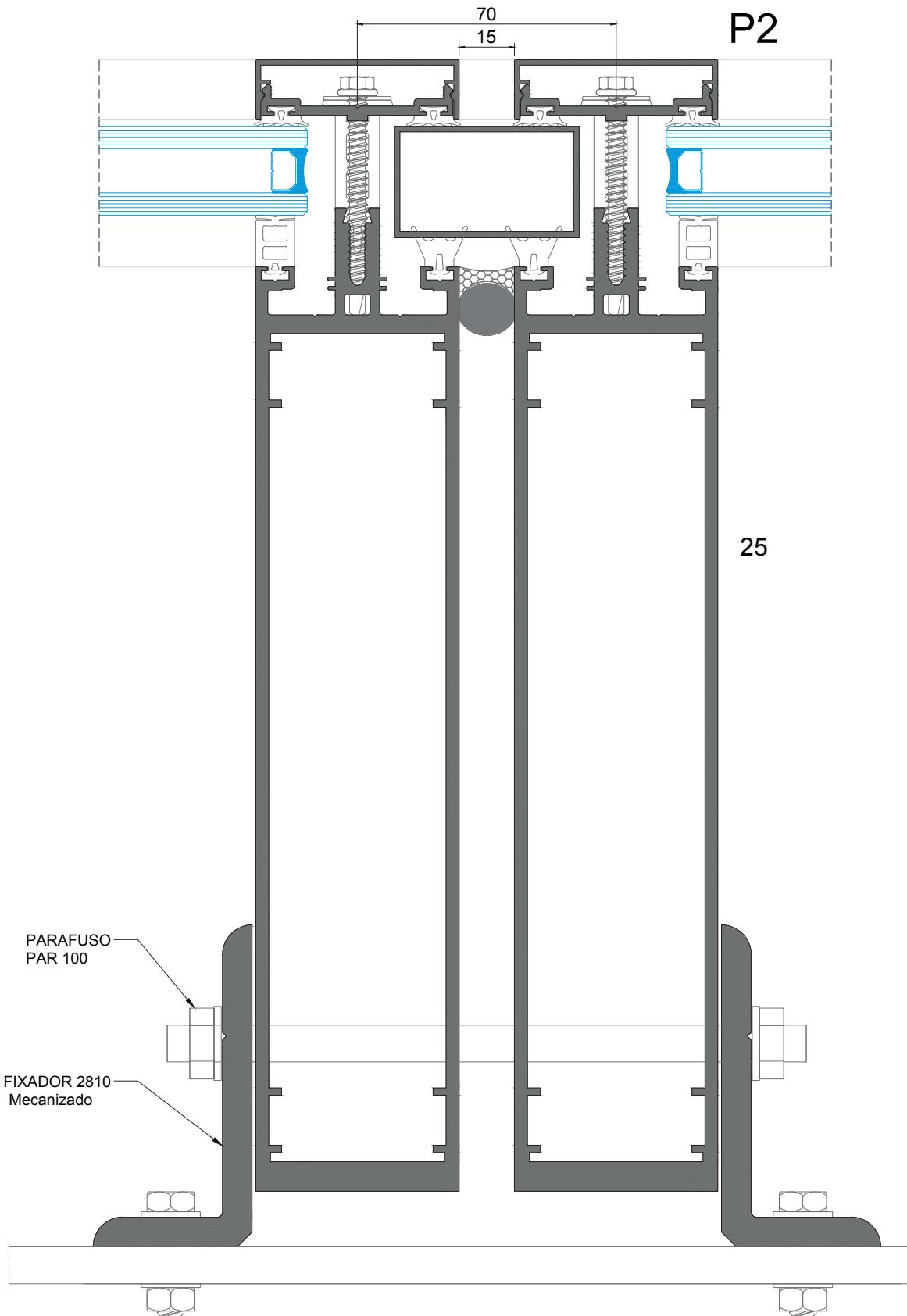
FACHADA ESTRUTURAL - MONTANTES
CAPPED CURTAIN WALL - MULIONS
MUR RIDEAU - TRAME TRADITIONNELLE - MONTANT



FACHADA ESTRUTURAL - JUNTA DE DILATAÇÃO

CAPPED CURTAIN WALL - DILATATIONS JOIN

MUR RIDEAU - TRAME TRADITIONNELLE - JOINT DE DILATATION

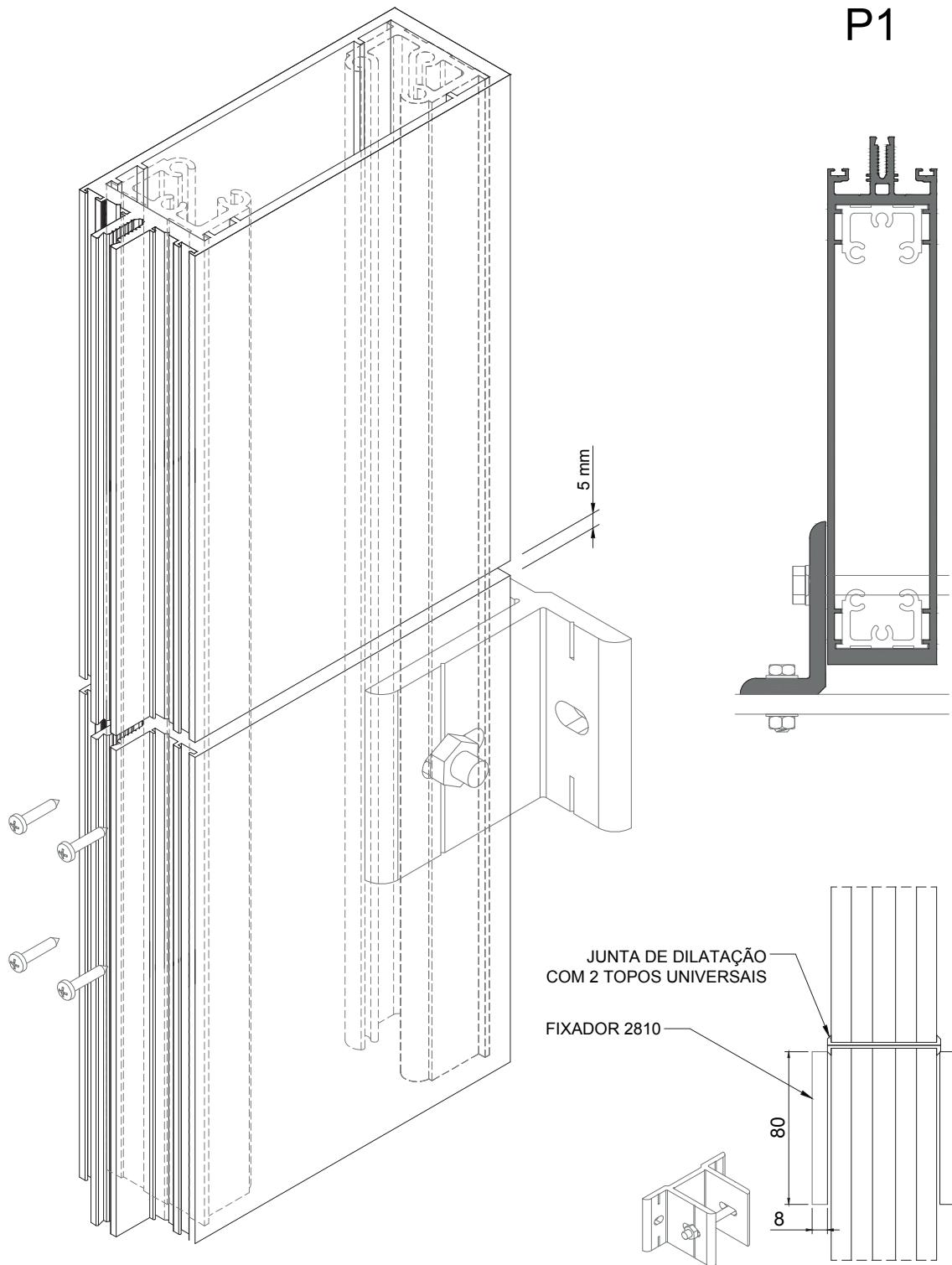


FACHADA ESTRUTURAL - JUNTA DE DILATAÇÃO VERTICAL UNIÃO COM FC 07

CAPPED CURTAIN WALL - DILATATIONS JOIN

MUR RIDEAU - TRAME TRADITIONNELLE - JOINT DE DILATATION

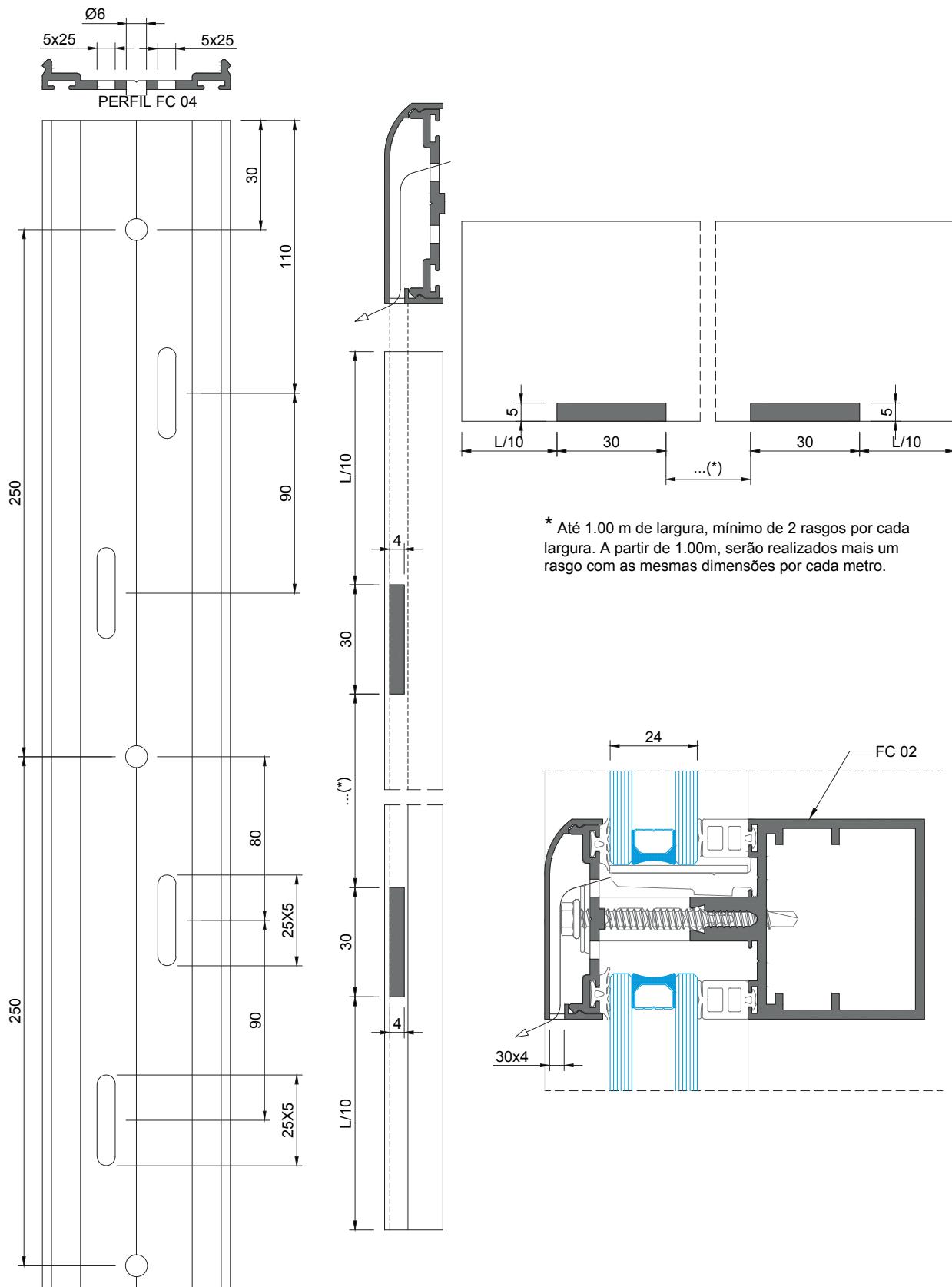
P1



FACHADA ESTRUTURAL - FC 04 e FC 05 - RASGOS DE DRENAGEM

CAPPED CURTAIN WALL - FC 04 and FC 05 - DRENAJE

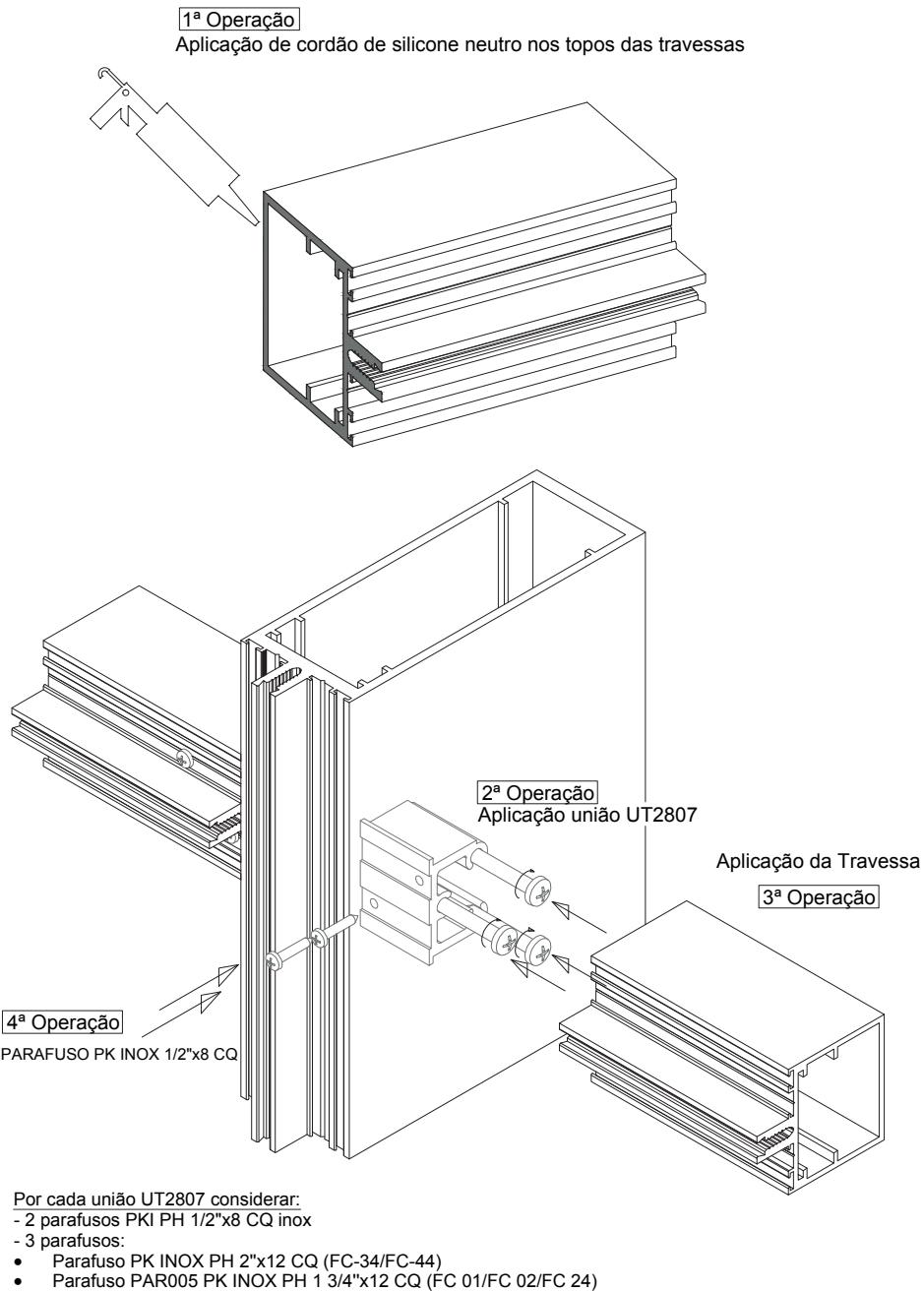
MUR RIDEAU - TRAME TRADITIONNELLE - FC 04 et FC 05 - DRENAGE



FACHADA ESTRUTURAL - APLICAÇÃO DA UNIÃO P/ TRAVESSAS COM UT2807

CAPPED CURTAIN WALL - TRANSOM END-CAP APPLICATION WITH UT2807 UNION

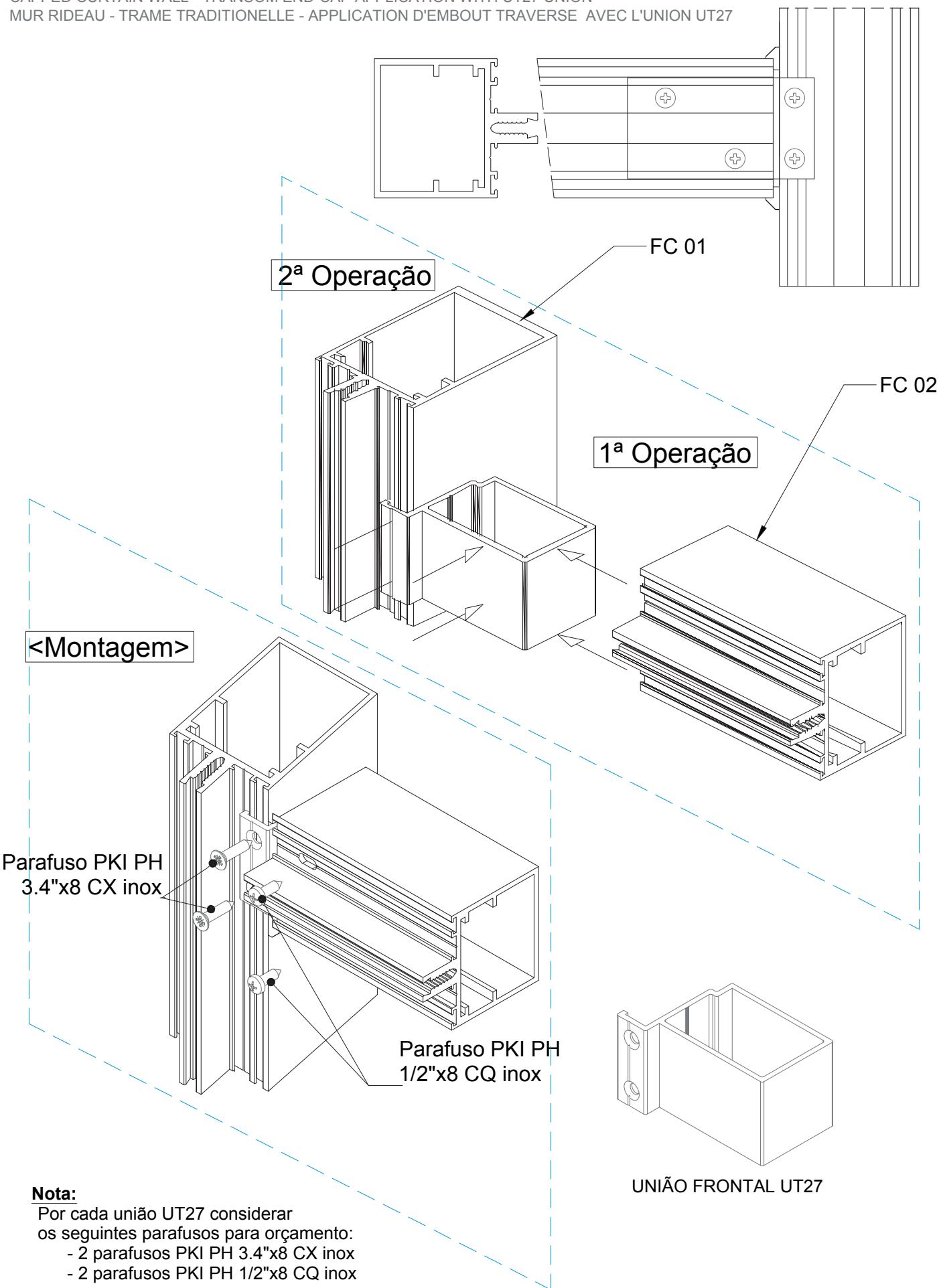
MUR RIDEAU - TRAME TRADITIONNELLE - APPLICATION D'EMBOUT TRAVERSE AVEC L'UNION UT2807



FACHADA ESTRUTURAL - APLICAÇÃO DA UNIÃO P/ TRAVESSAS COM UT27

CAPPED CURTAIN WALL - TRANSOM END-CAP APPLICATION WITH UT27 UNION

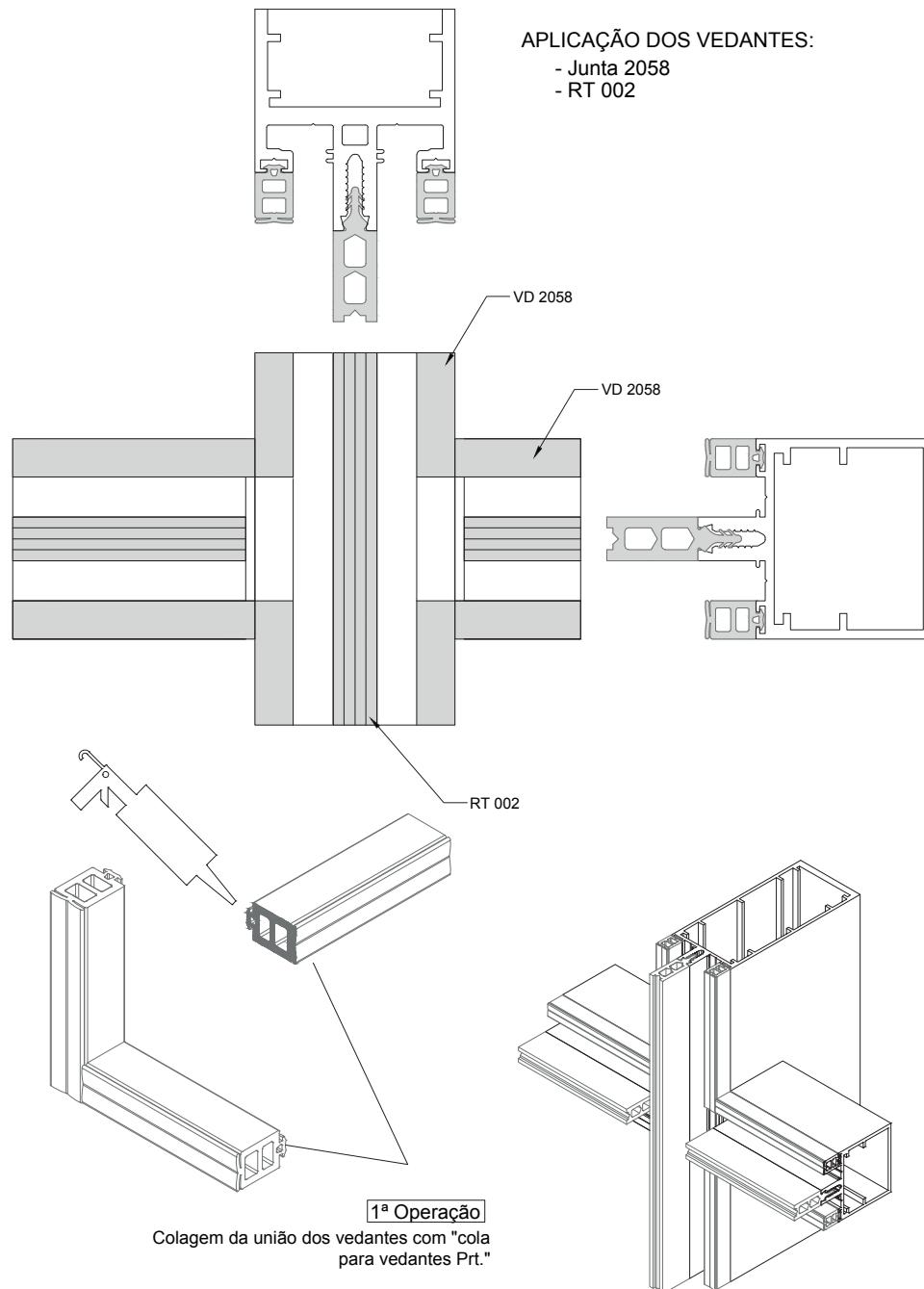
MUR RIDEAU - TRAME TRADITIONNELLE - APPLICATION D'EMBOUT TRAVERSE AVEC L'UNION UT27



FACHADA ESTRUTURAL - APLICAÇÃO DOS VEDANTES VD 2058 e RT 002

CAPPED CURTAIN WALL - GASKETS APPLICATION

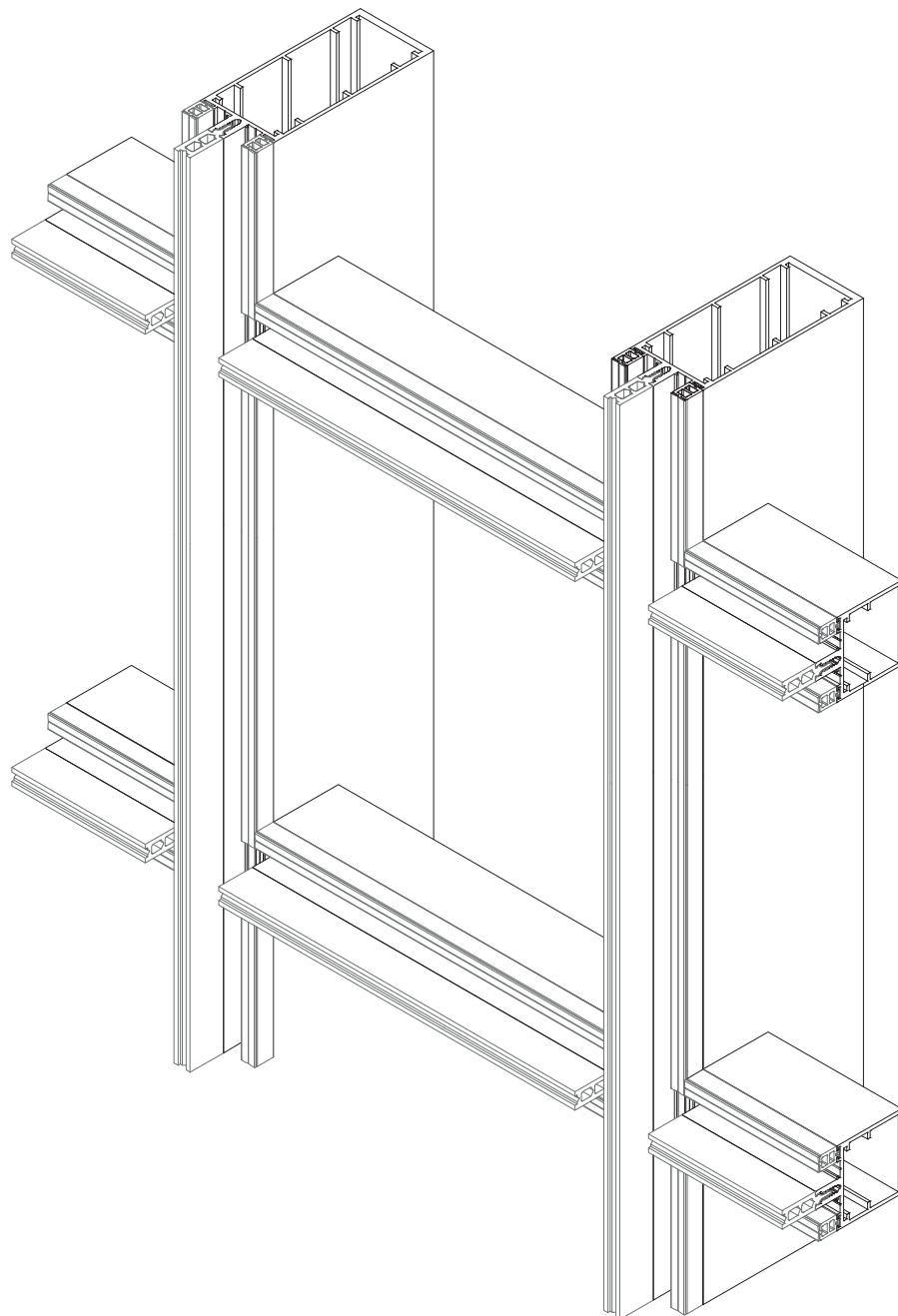
MUR RIDEAU - TRAME TRADITIONNELLE - APPLICATION DES JOINT



FACHADA ESTRUTURAL - APLICAÇÃO DOS VEDANTES VD 2058 e RT 002 - VISTA GERAL

CAPPED CURTAIN WALL - GASKETS APPLICATION - GENERAL VIEW

MUR RIDEAU - TRAME TRADITIONNELLE - VUE GÉNÉRALE



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