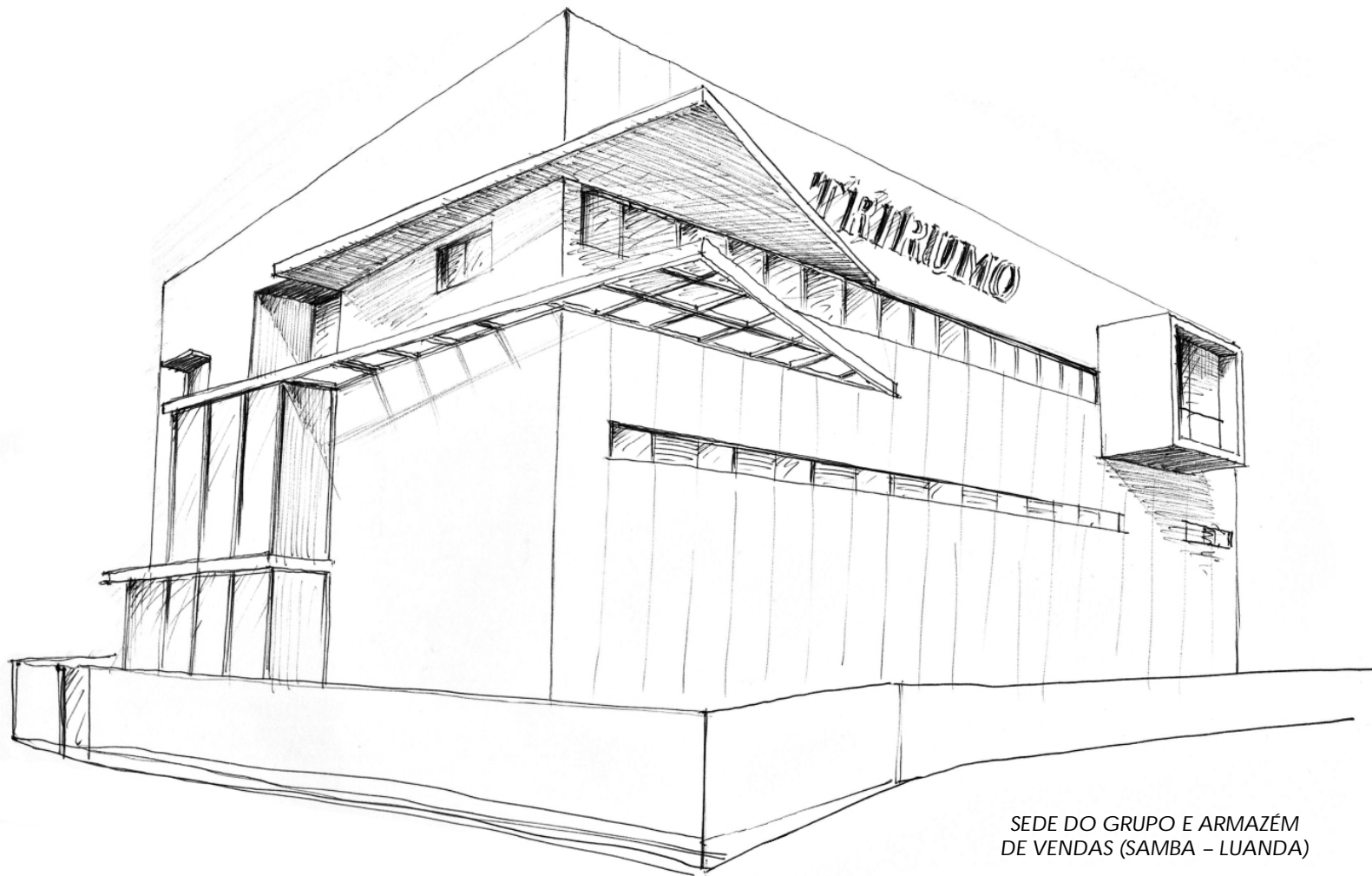


CATÁLOGO COMERCIAL

L

FC – SISTEMA DE FACHADA



SEDE DO GRUPO E ARMAZÉM
DE VENDAS (SAMBA – LUANDA)

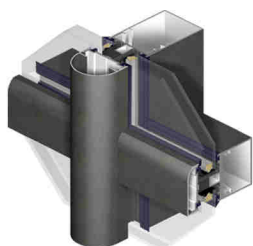
SISTEMAS DE ALUMÍNIO PARA ARQUITECTURA

FC

sistema de fachadas ligeiras

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

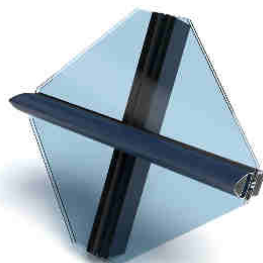
- FC Estrutural
- FC Horizonte
- FC Semi-Oculta
- FC Oculta



FC ESTRUTURAL

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

CAPA	Vistas retas em montantes e travessas
ENCHIMENTO	De 12 a 47mm
ABERTURAS	Batente (int./ext.) com perfil visível
PESO MÁXIMO	120Kg/vão projectante



FC HORIZONTE

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

CAPA	Horizontal contínua
ENCHIMENTO	De 12 a 47mm
VEDAÇÃO	Junta vertical em E.P.D.M.
ABERTURAS	...
PESO MÁXIMO	...



FC SEMI-OCULTA

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.

VISTAS	Visíveis pelo exterior, de 12mm ou 20mm
ENCHIMENTO	De 6 a 43mm
ABERTURAS	Projectantes
PESO MÁXIMO	120Kg/vão projectante



FC OCULTA

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.

VISTAS	Sem vistas pelo exterior
ENCHIMENTO	De 24 a 36mm
ABERTURAS	Projectantes
PESO MÁXIMO	120Kg/vão projectante

QUALIDADE

- Perfis de alumínio extrudidos na liga AL MG SI - 05 F22 com dureza T5.
- Perfis de a lumínio lacados em Angola de acordo com as directivas QUALICOAT.
- Perfis de a lumínio anodizados em Angola de acordo com as directivas QUALANOD.

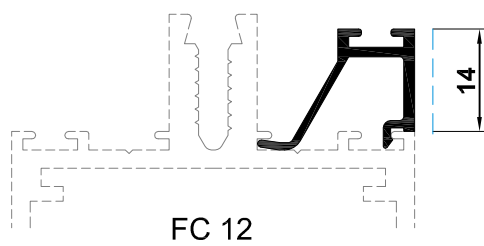
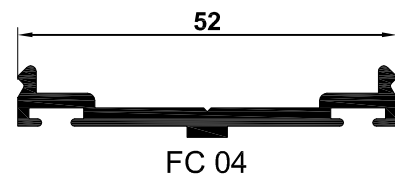
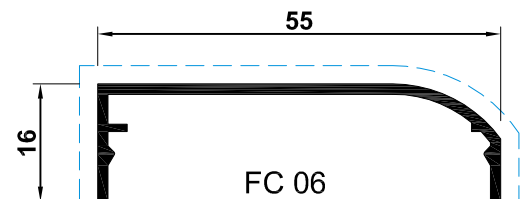
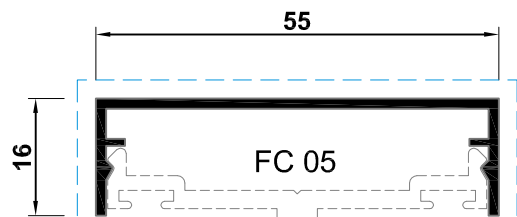
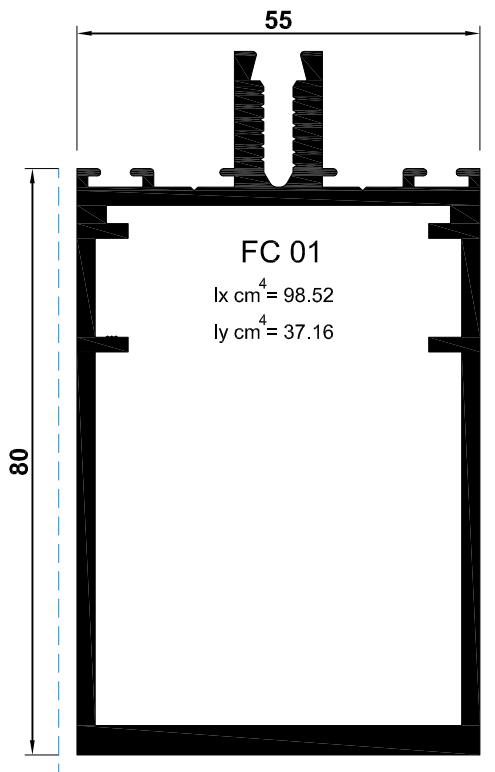
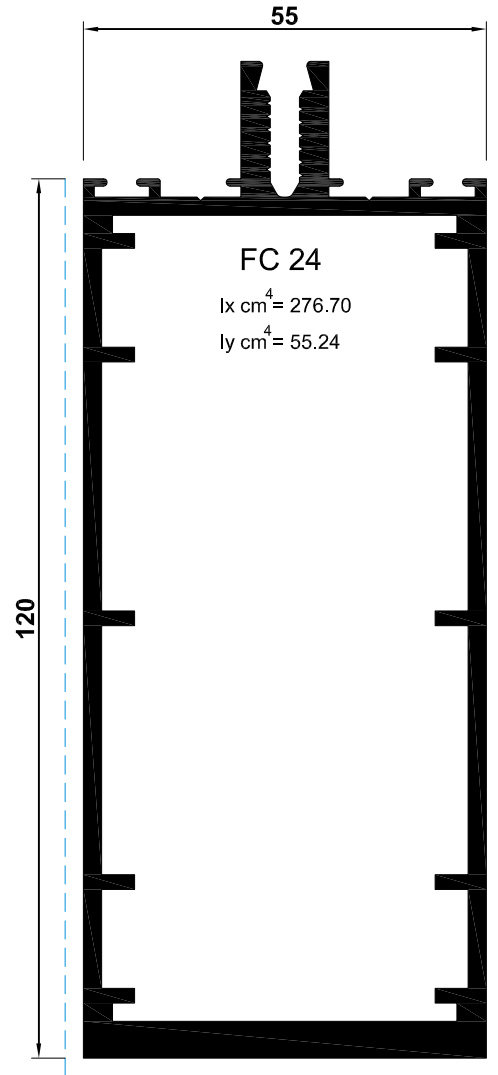
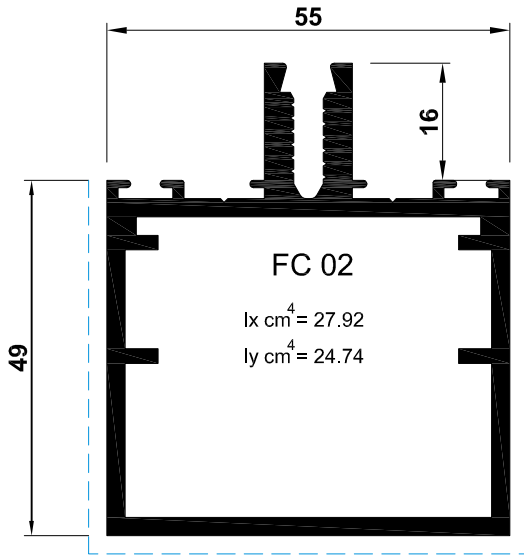
RESULTADOS DE ENSAIOS

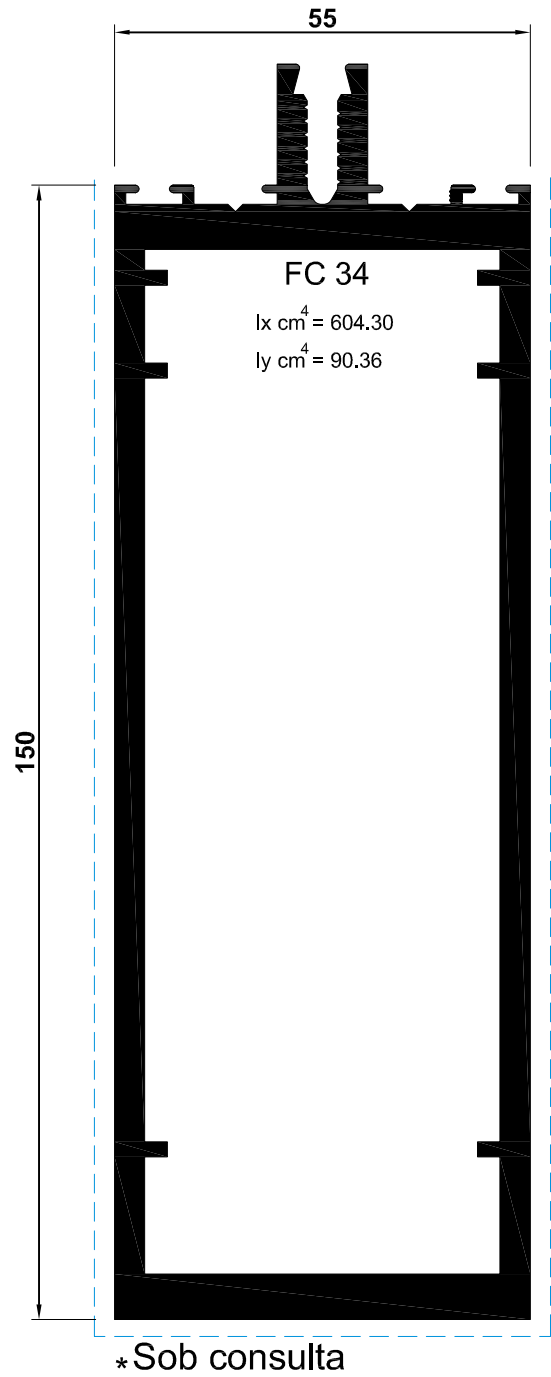
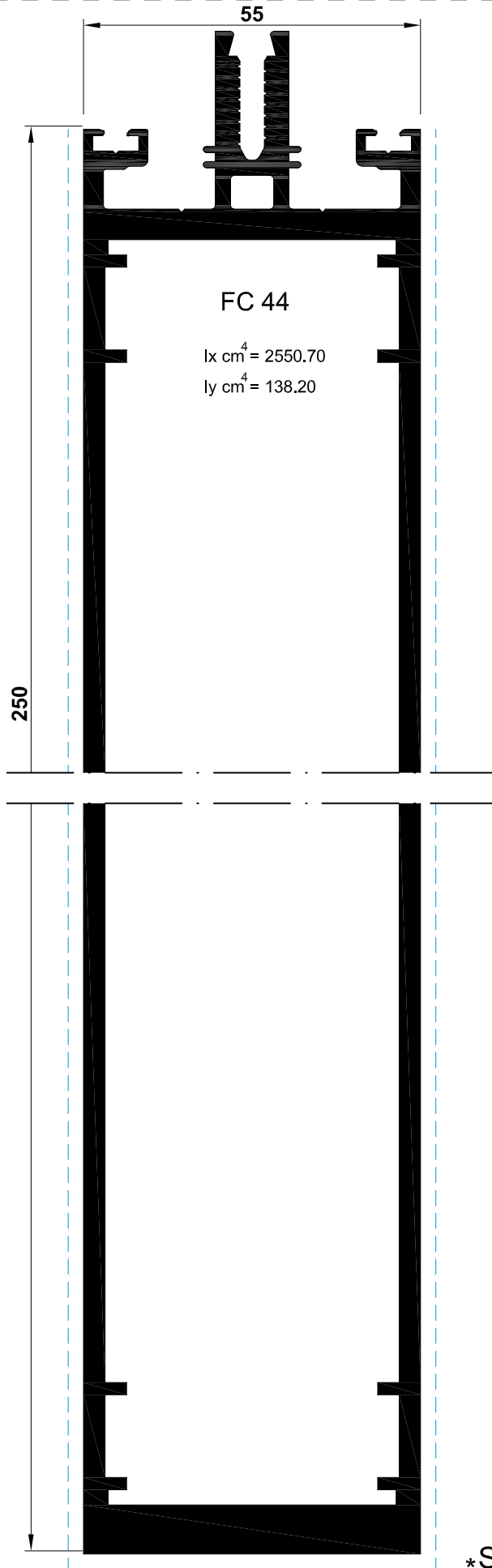
Dimensão das fachadas ensaiadas: 5110 x 6250 mm

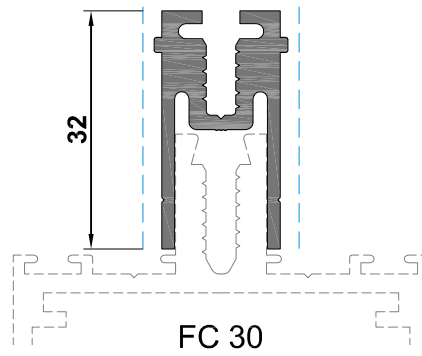
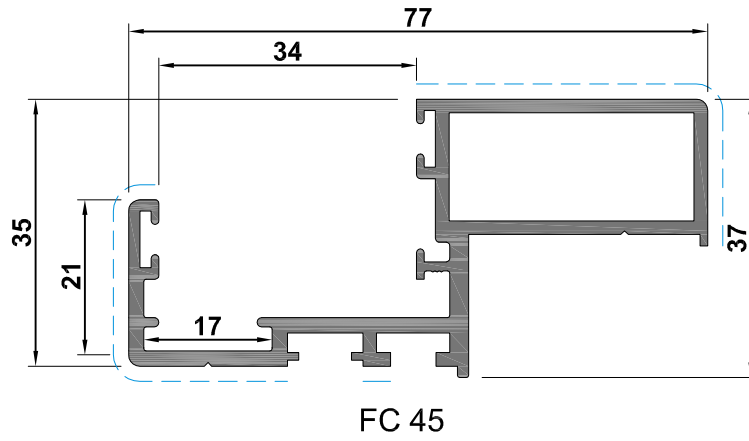
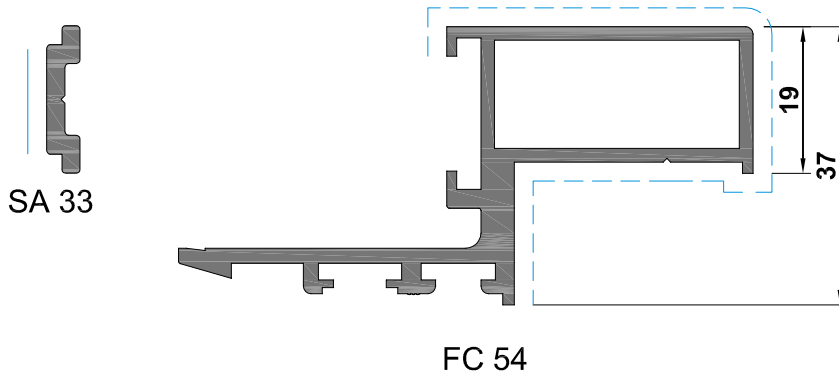
Fachada Estrutural Fachada Horizonte	Com 1 vão Projetante e 1 vão Oscilo-batente	Vão Fixo
Permeabilidade ao AR <small>UNE-EN 12153:2000</small>	Classe A3	Classe A4
Estanquidade à ÁGUA <small>UNE-EN 12155:2000</small>	Classe RE 1050	Classe RE 1500
Resistência ao VENTO <small>UNE-EN 12179:2001</small>	APTO (1500Pa)	APTO (1500Pa)
Coef. Transm. TÉRMICA <small>UNE-ISO 13947:2005 FACHADA COM 2500 x 3400mm</small>	U_w = 1,43 W/m²K <small>U_g do vidro 8+16+6 = 1,3W/m²K</small>	

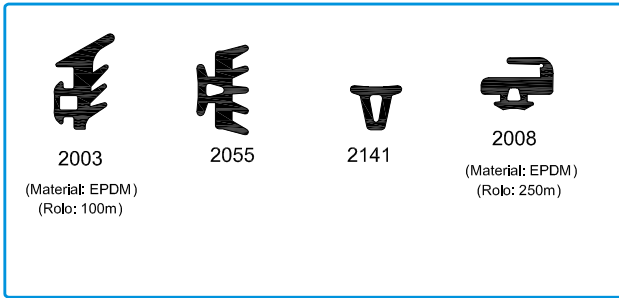
Fachada Semi-Ocultas	Com 1 vão Projetante	Vão Fixo
Permeabilidade ao AR <small>UNE-EN 12153:2000</small>	Classe AE750 (Especial)	Classe AE750 (Especial)
Estanquidade à ÁGUA <small>UNE-EN 12155:2000</small>	Classe RE 1500	Classe RE 1500
Resistência ao VENTO <small>UNE-EN 12179:2001</small>	APTO (1500Pa)	APTO (1500Pa)
Coef. Transm. TÉRMICA <small>UNE-ISO 13947:2005 FACHADA COM 2500 x 3400mm</small>	U_w = 1,45 W/m²K <small>U_g do vidro 8+16+6 = 1,3W/m²K</small>	

	Resistência às Cargas Vivas Horizontais <small>UNE-EN 1991-1-1:2003</small> Fachada com 5110 x 6250mm)	Resistência ao Impacto <small>UNE-EN 14019:2004 (Fachadas) UNE-EN 13049:2003 (Janelas)</small> Fachada com 2500 x 2500mm)	Resistência ao Peso Próprio <small>UNE-EN 13830:2004</small> Fachada com 2490 x 1200mm)
Fachada Estrutural	APTO (1500Pa)	Classe I5	1,08KN Flecha máxima 3mm
Fachada Semi-Ocultas	APTO (1500Pa)	Classe I5	1,08KN Flecha máxima 3mm
Fachada Ocultas	APTO (1500Pa)	Classe I5	1,08KN Flecha máxima 3mm

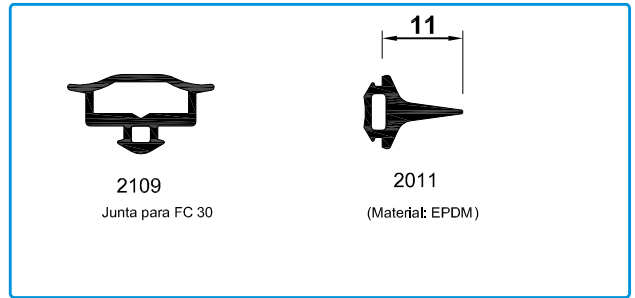




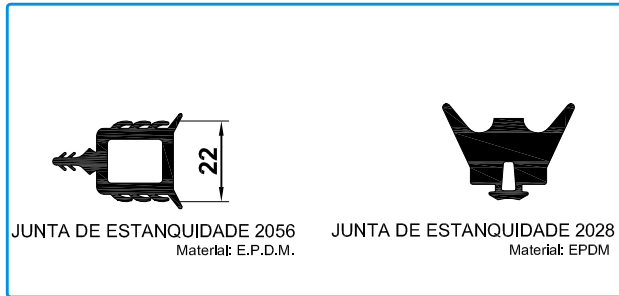




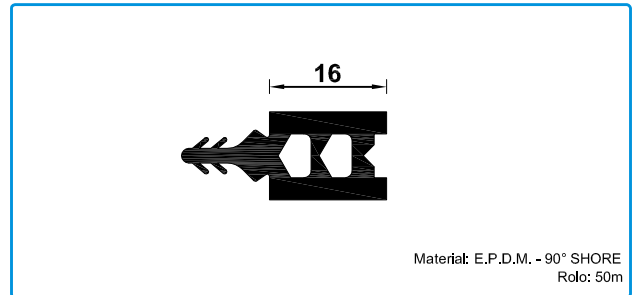
JUNTA DE VEDAÇÃO EXTERIOR 2003
 JUNTA EXTERIOR 2055
 JUNTA EXTERIOR 2141
 JUNTA DE BATENTE 2008



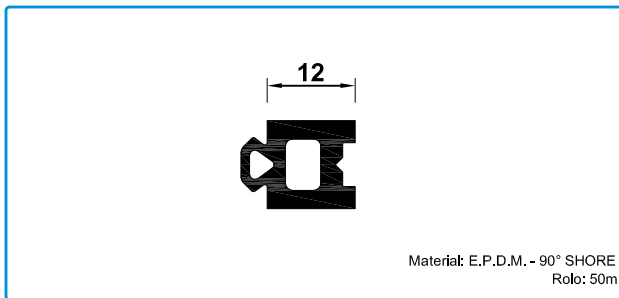
JUNTA CENTRAL 2109 Pr.
 JUNTA EXTERIOR 2011



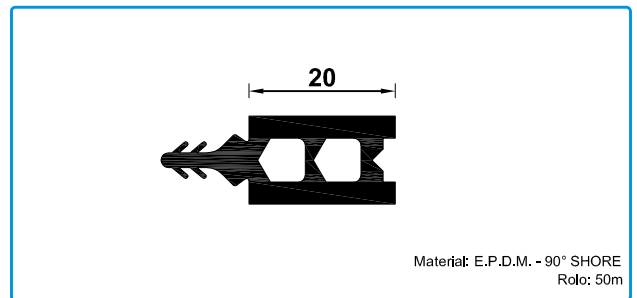
JUNTA DE ESTANQUIDADE 2028
 JUNTA DE ESTANQUIDADE 2056



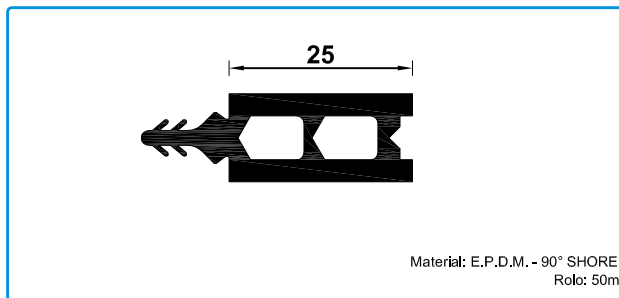
JUNTA RT 004



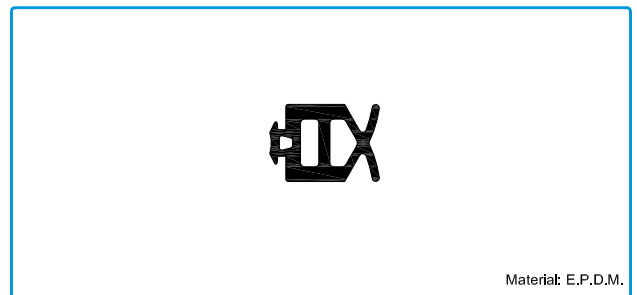
JUNTA RT 001 Pr.



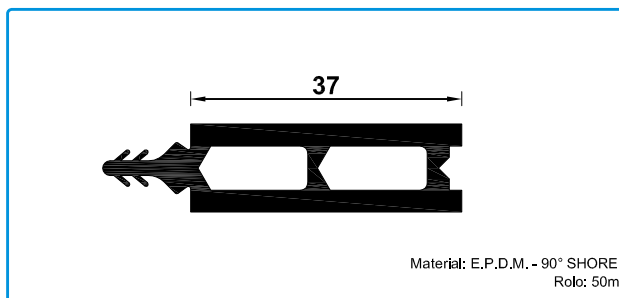
JUNTA RT 005



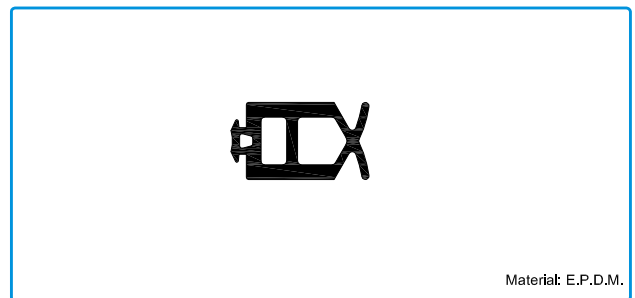
JUNTA RT 002 Pr.



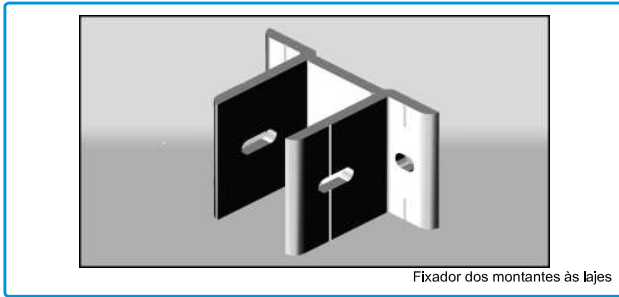
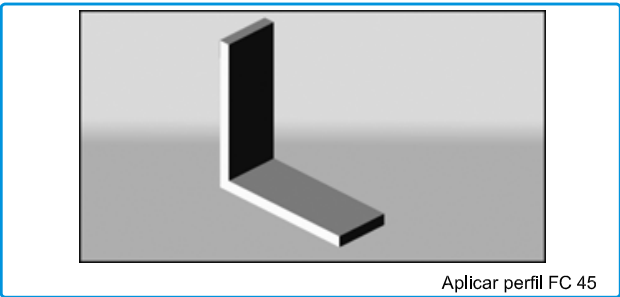
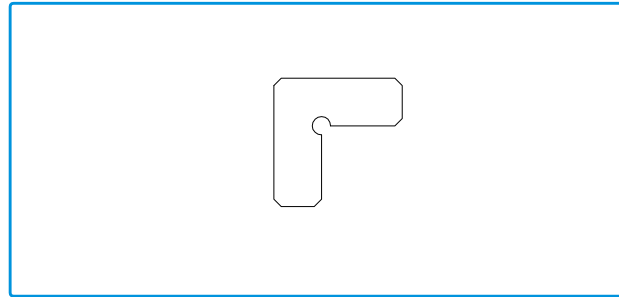
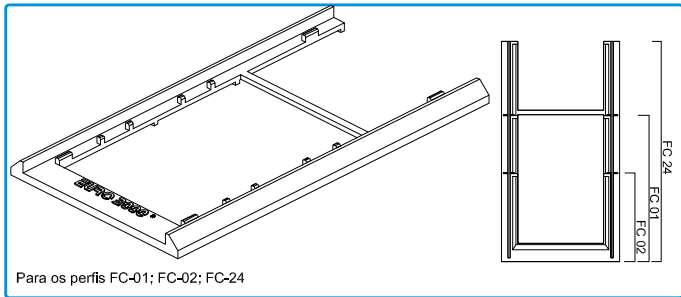
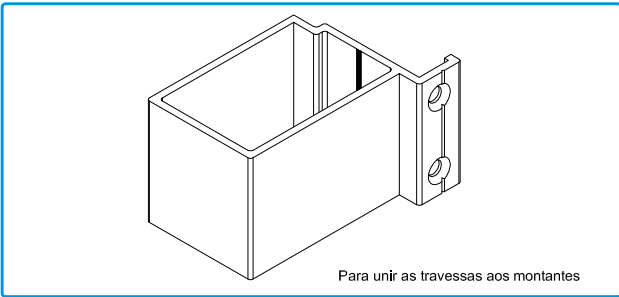
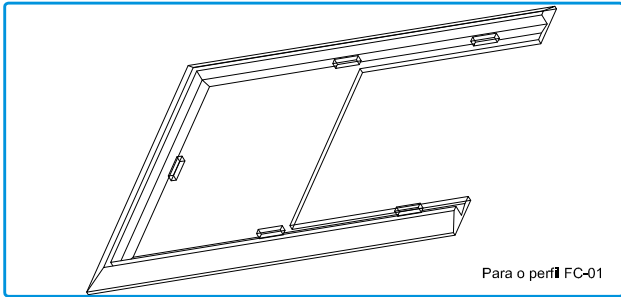
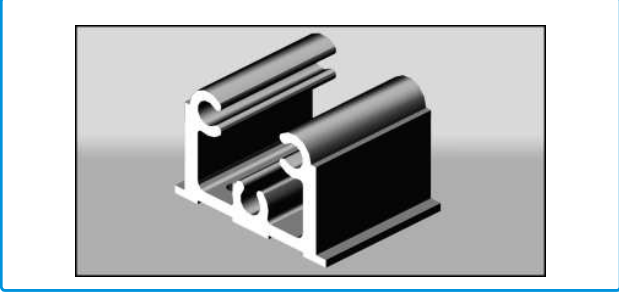
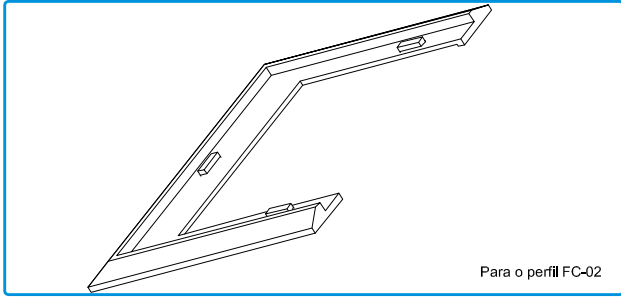
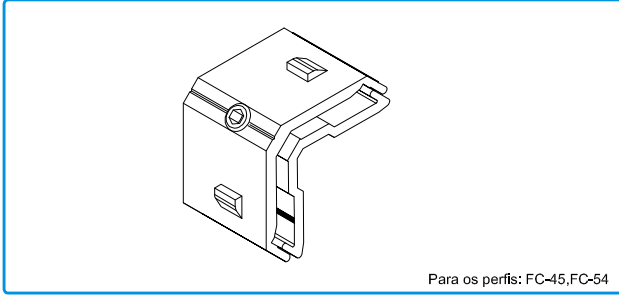
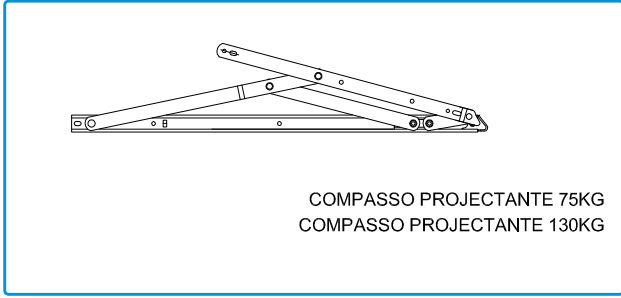
JUNTA DE ESTANQUIDADE 2062

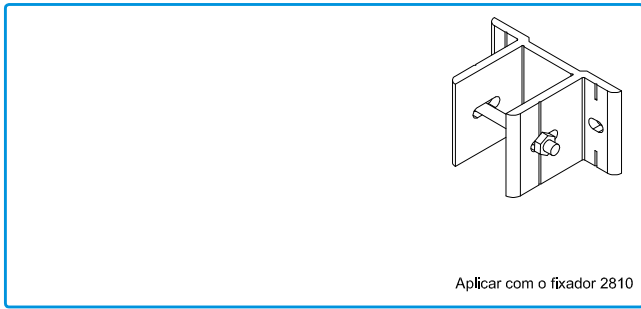


JUNTA RT 003

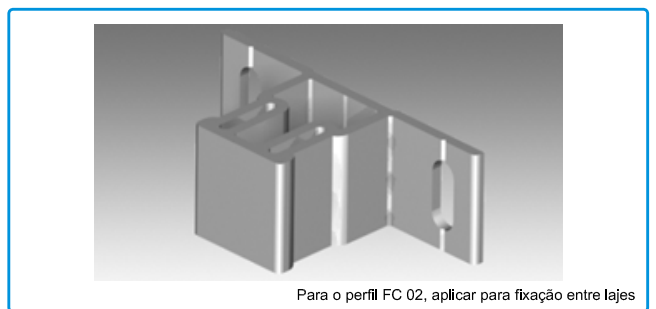


JUNTA DE ESTANQUIDADE 2058

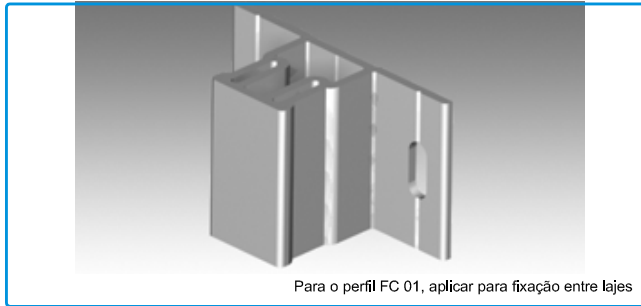




PARAFUSO PAR 100 INOX



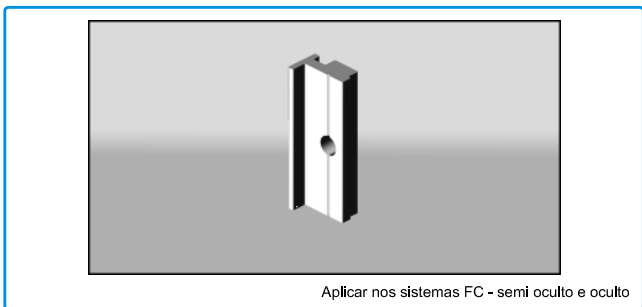
FIXADOR MONTANTE 2811 Bruto



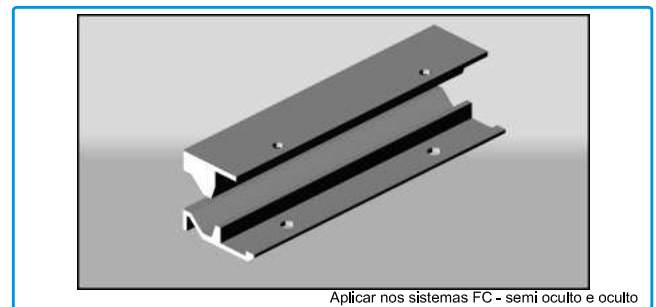
FIXADOR MONTANTE 2812 Bruto



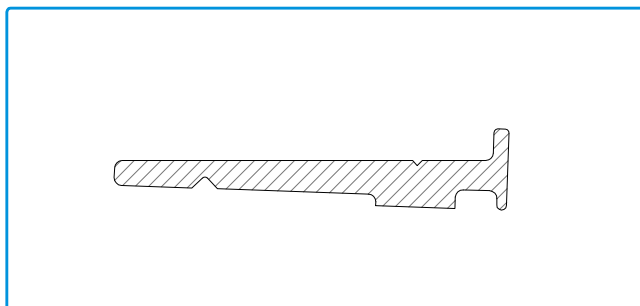
FIXADOR MONTANTE 2813 Bruto



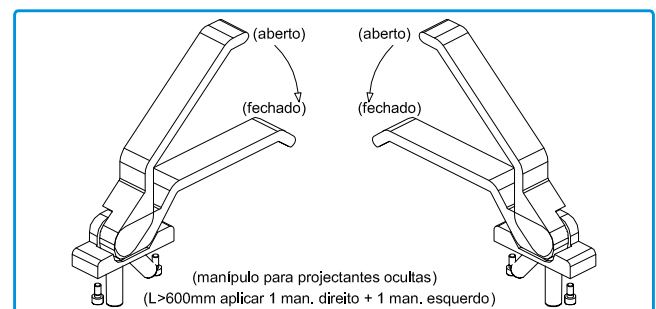
PEÇA FIXAÇÃO FRONTAL 2825



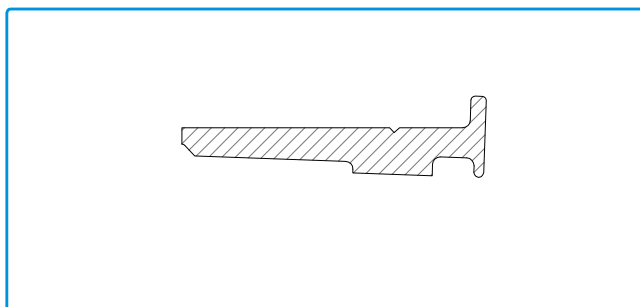
CONJ. FIXAÇÃO INF. 2823



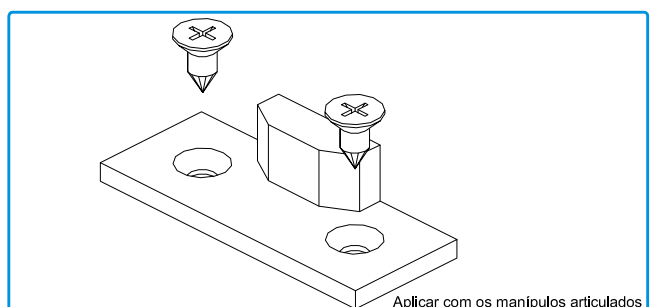
SUORTE FC AUTO-PORTANTE 003



MANÍPULO ARTICULADO FC DIR.
MANÍPULO ARTICULADO FC ESQ.

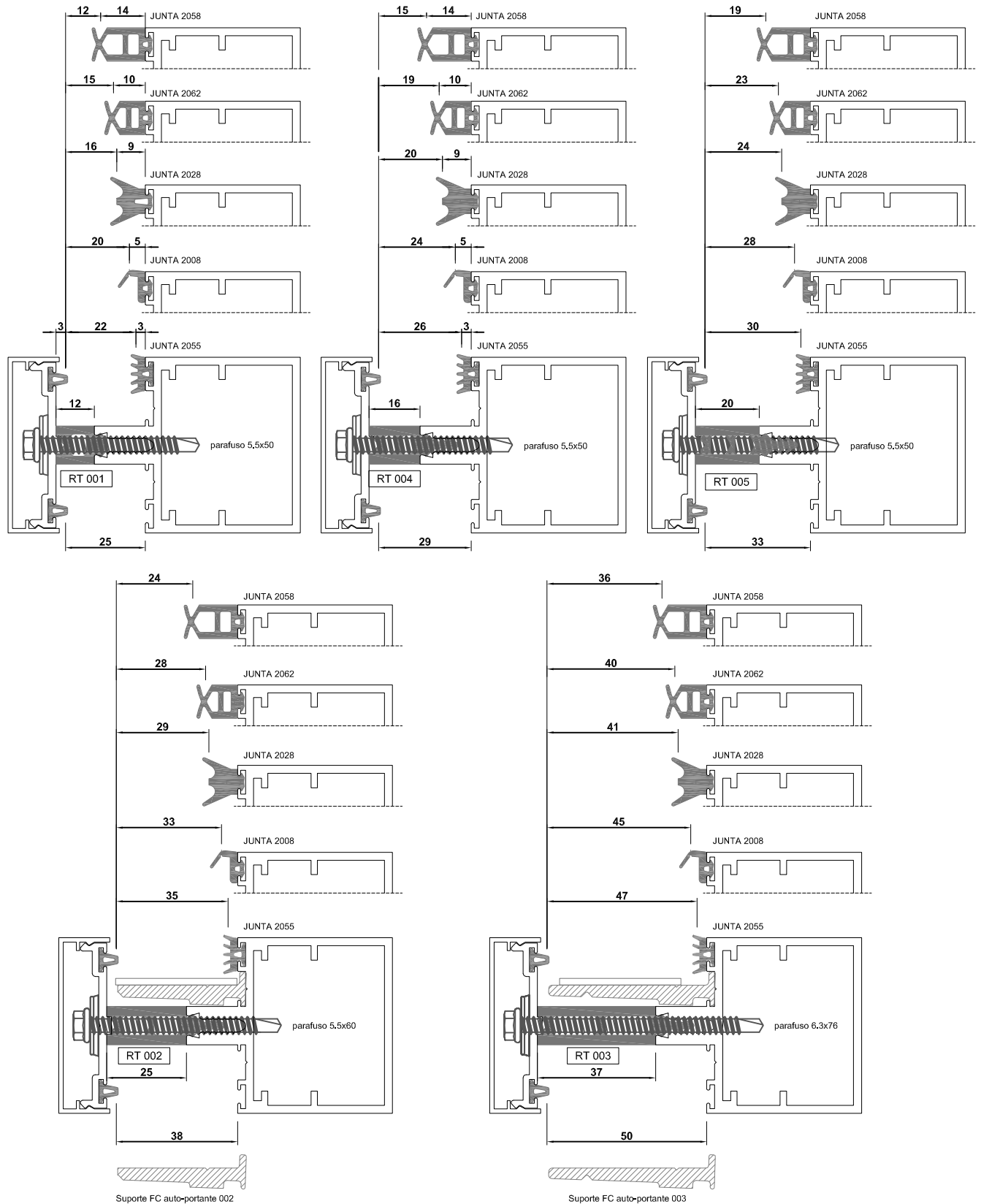


SUORTE FC AUTO-PORTANTE 002



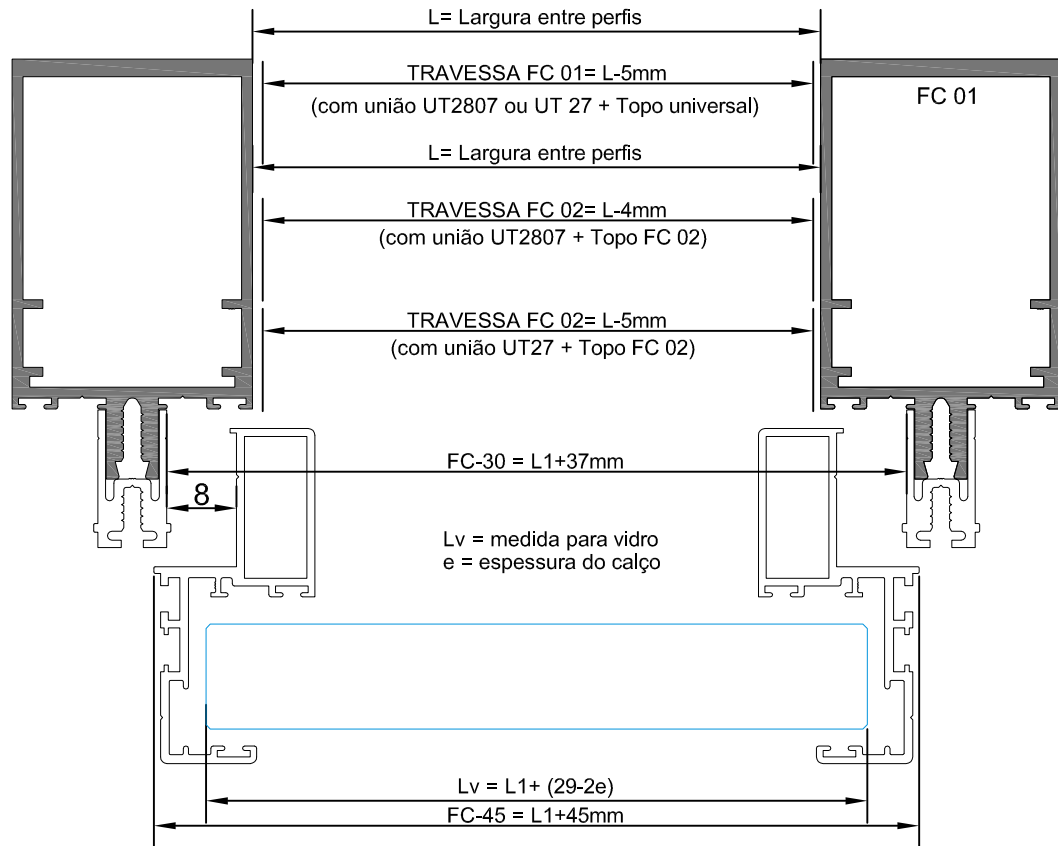
CONTRA FECHO MA FC

MAPA DE ENCHIMENTOS PARA FACHADA ESTRUTURAL COM AS JUNTAS RT

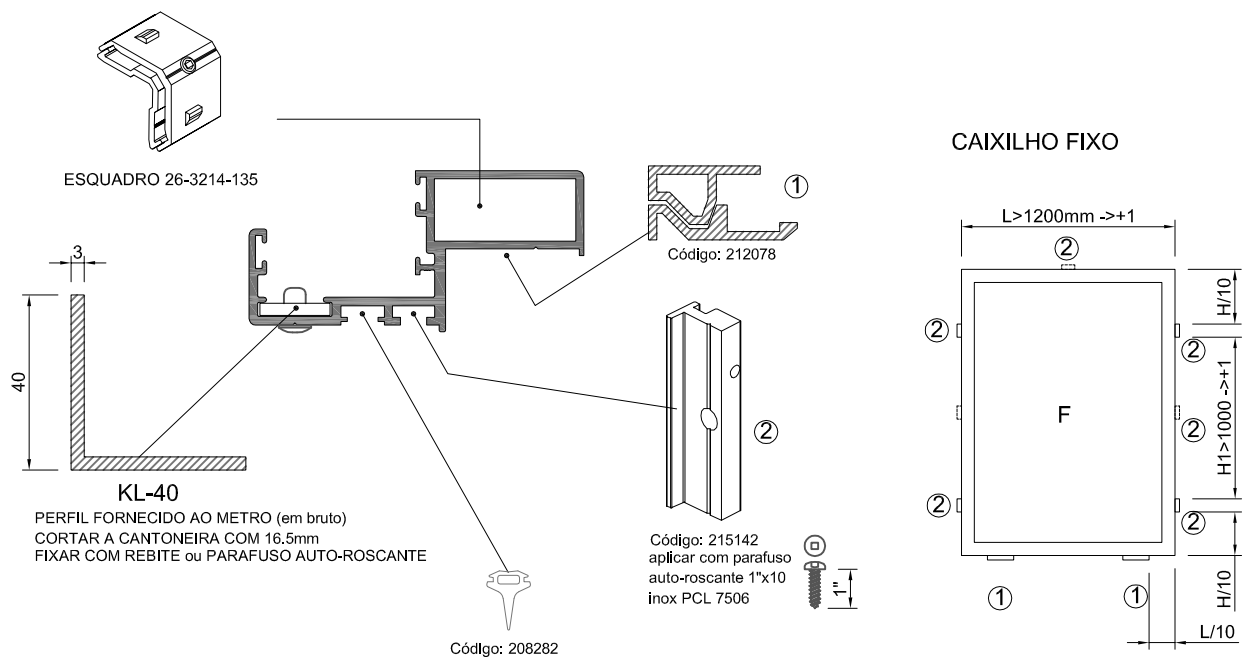


Nota: Na utilização das juntas RT002 ou RT003 aplicar os suportes FC auto-portantes para suporte dos vidros juntamente com o calço para vidro 79x40x2mm

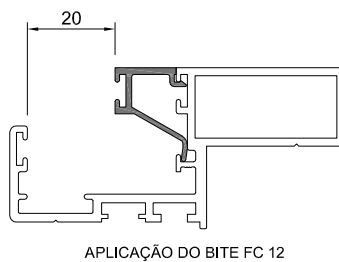
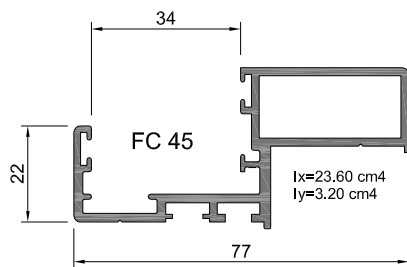
MEDIDAS DE CORTE: FACHADA SEMI-OCULTA COM FC-45



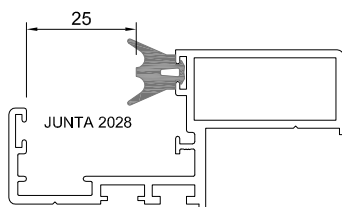
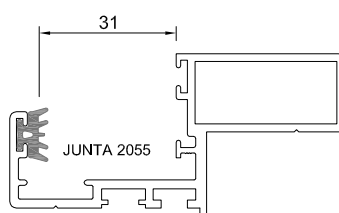
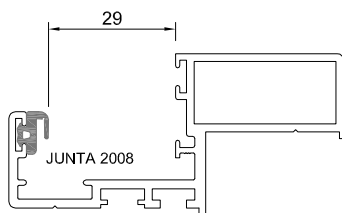
MONTAGEM DE ACESSÓRIOS: FACHADA SEMI-OCULTA COM FC-45



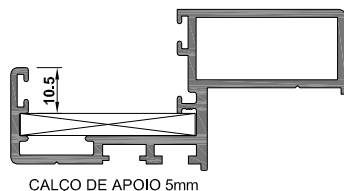
FC 45 (FACHADA SEMI-OCULTA) ENCHIMENTOS



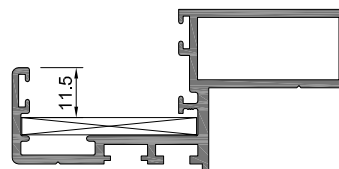
APLICAÇÃO DO BITE FC 12



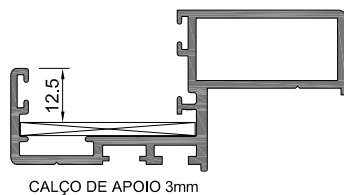
DIMENSÃO DA GOLA ÚTIL PARA VIDRO CONFORME CALÇO DE APOIO UTILIZADO



CALÇO DE APOIO 5mm



CALÇO DE APOIO 4mm



CALÇO DE APOIO 3mm

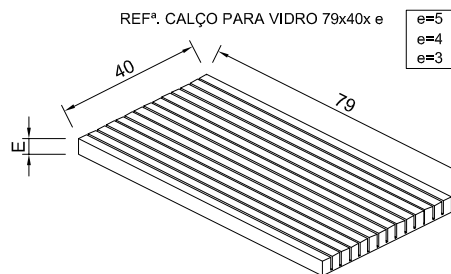
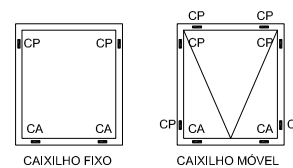
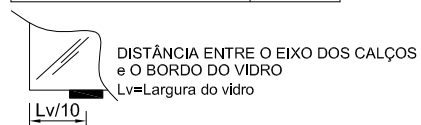


TABELA PARA DEFINIÇÃO DA APLICAÇÃO DO CALÇO DE APOIO

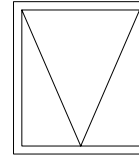
PERIMETRO DO VIDRO/2=P (m)	e
$P \leq 2.5$ m	3
$2.5 \text{ m} < P \leq 5$ m	4
$5 \text{ m} < P \leq 7$ m	5



CA= CALÇO DE APOIO
CP= CALÇO PERIFERICO

FURAÇÃO PARA APLICAÇÃO DO COMPASSO 75Kg

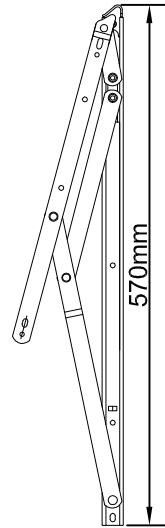
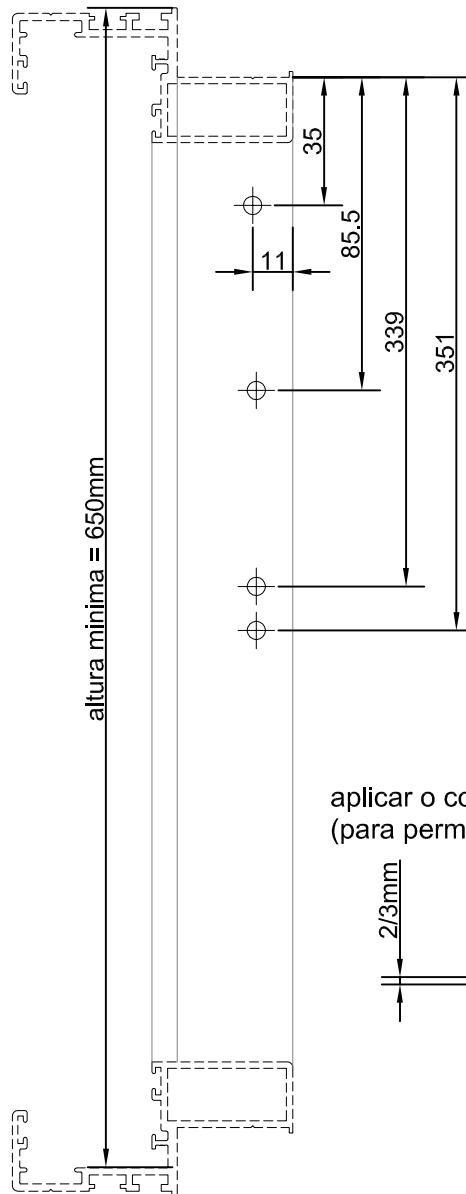
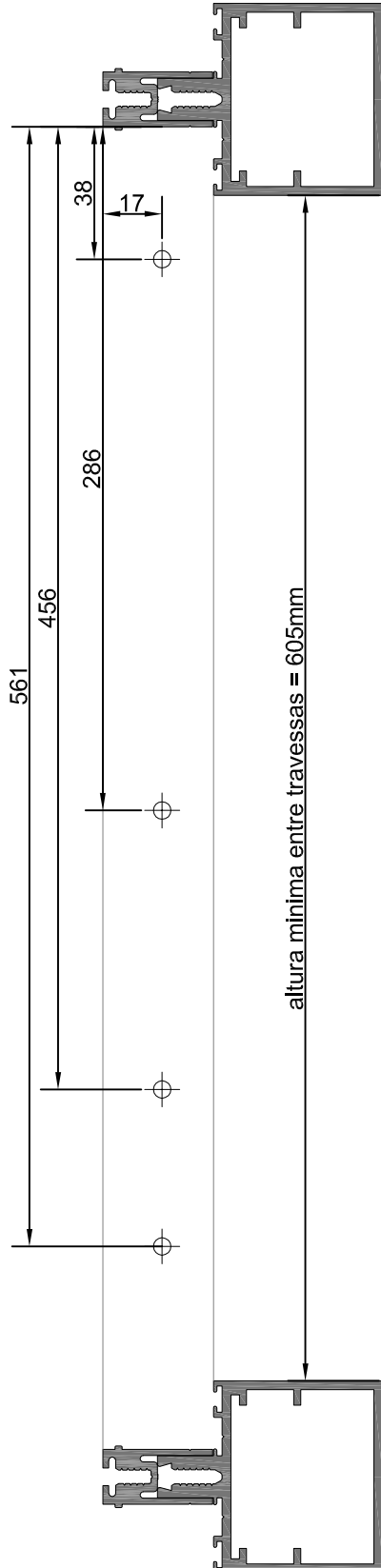
ABERTURA PROJECTANTE



Para vãos até 75Kg:

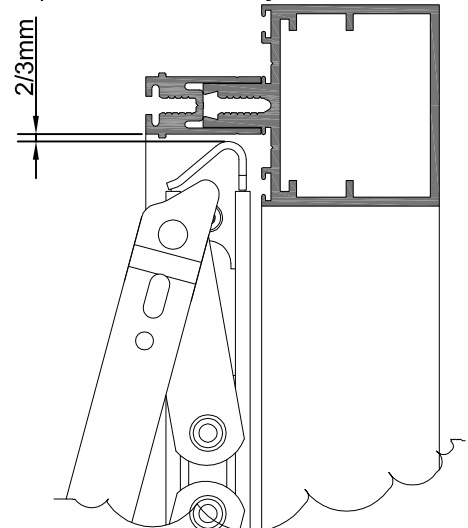
- Ângulo de abertura máximo: 45°
- Altura máxima: 1350mm
- Altura mínima: 650mm
- Largura máxima: 1500mm

CAIXILHO ABERTURA PROJECTANTE



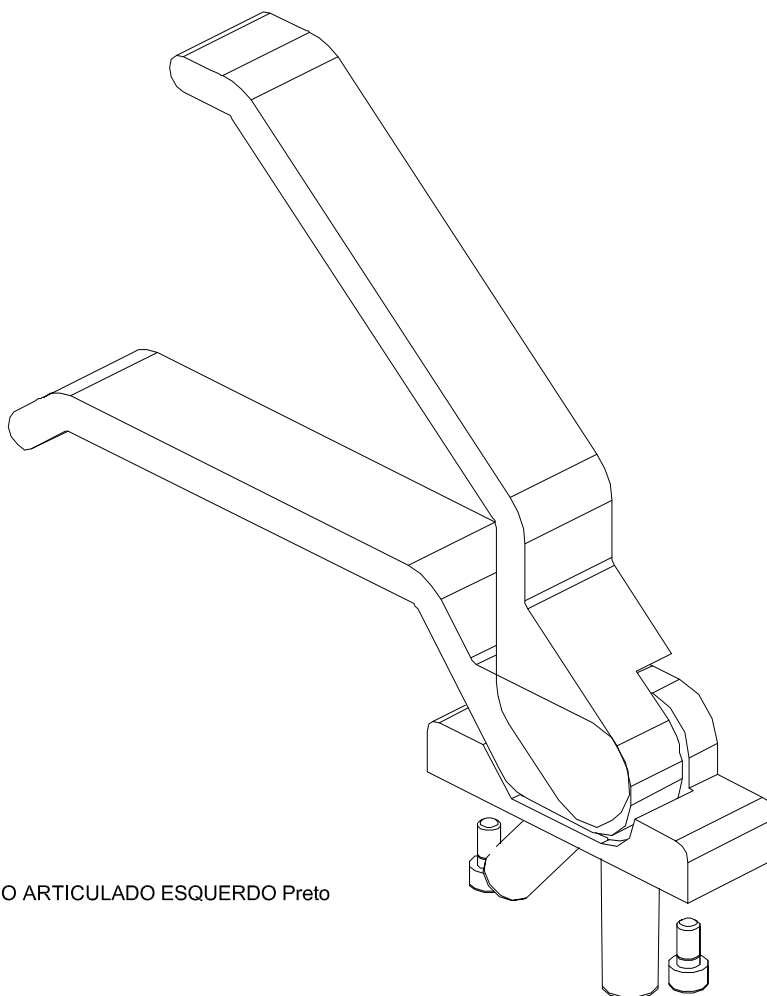
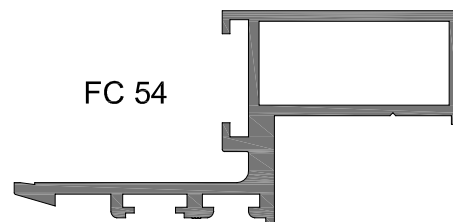
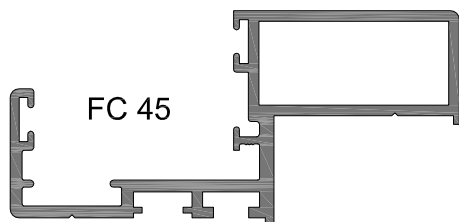
Compasso projectante 75 Kg

aplicar o compasso distante de 2/3mm do top (para permitir uma afinação vertical de ±2mm)

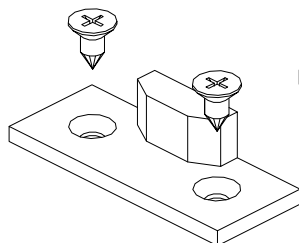


MANÍPULOS PARA JANELAS PROJECTANTES

PARA OS SEGUINTE PERFIS:



REF.º: MANÍPULO ARTICULADO ESQUERDO Preto

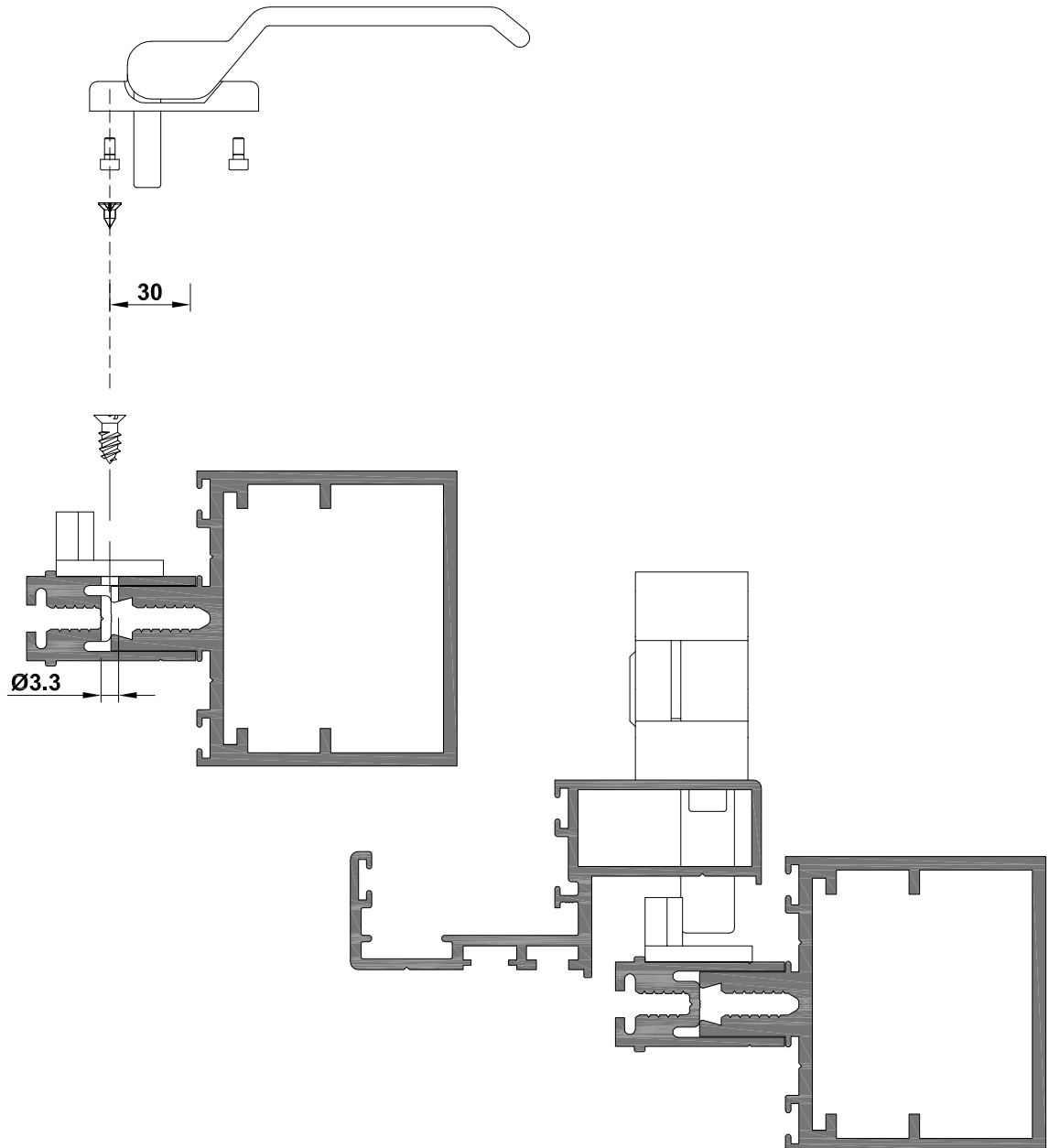


REF.º: CONTRA-FECHO MA FC Acetinado Natural

APLICAR EM PROJECTANTE COM L<600mm
-1 MANÍPULO ARTICULADO FC ESQUERDO
-1 CONTRA-FECHOS MA FC

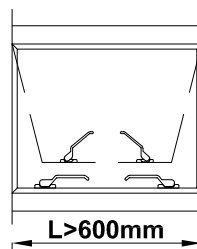
APLICAR EM PROJECTANTE COM L>600mm
-1 MANÍPULO ARTICULADO FC ESQUERDO
-1 MANÍPULO ARTICULADO FC DIREITO
-2 CONTRA-FECHOS MA FC

MONTAGEM EM FACHADA SEMI-OCULTA ou OCULTA

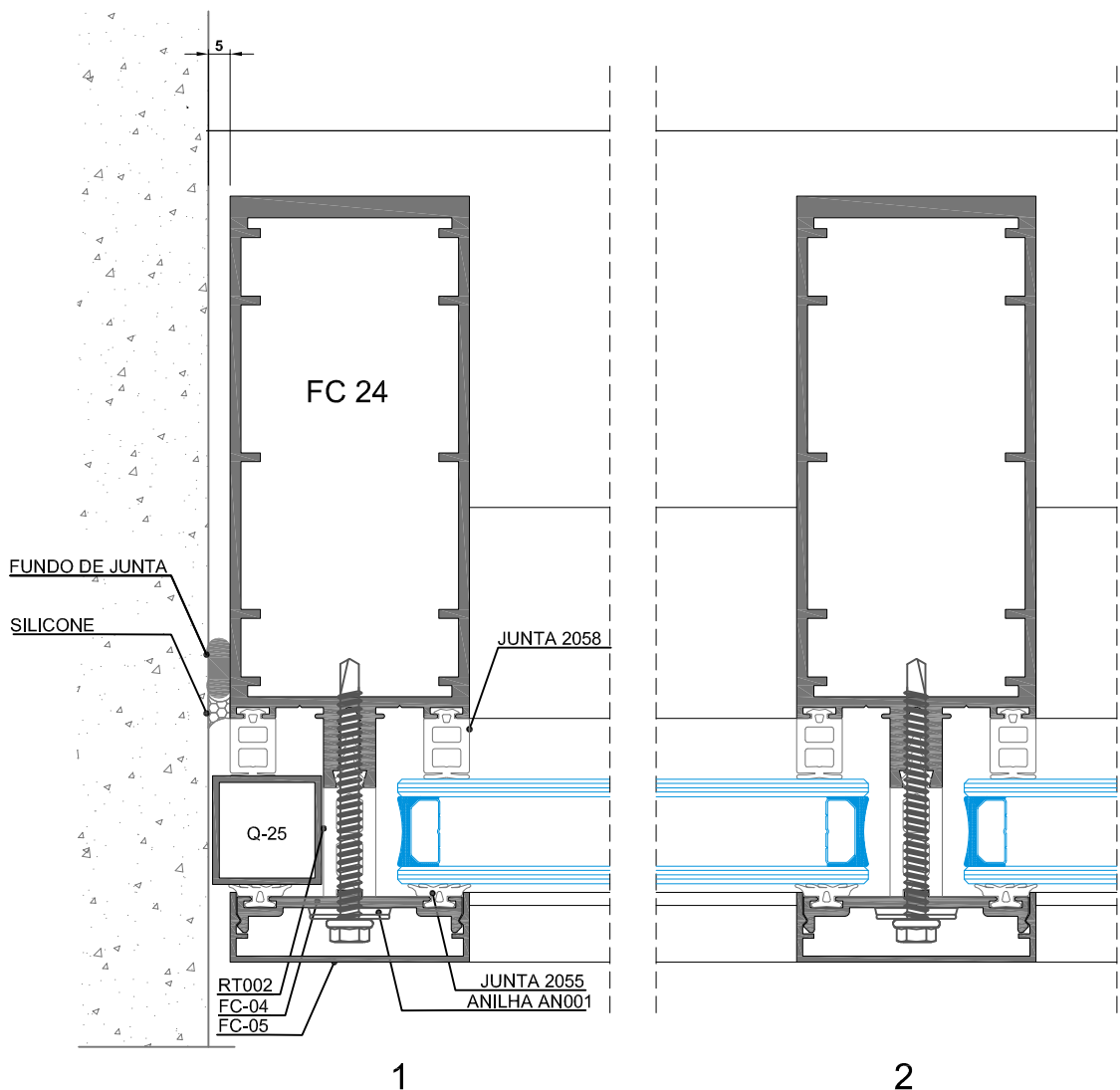
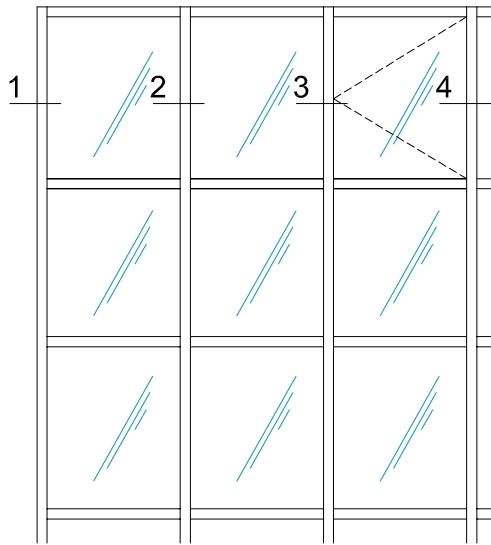


APLICAR EM PROJECTANTE COM L<600mm
 -1 MANÍPULO ARTICULADO FC ESQUERDO
 -1 CONTRA-FECHOS MA FC

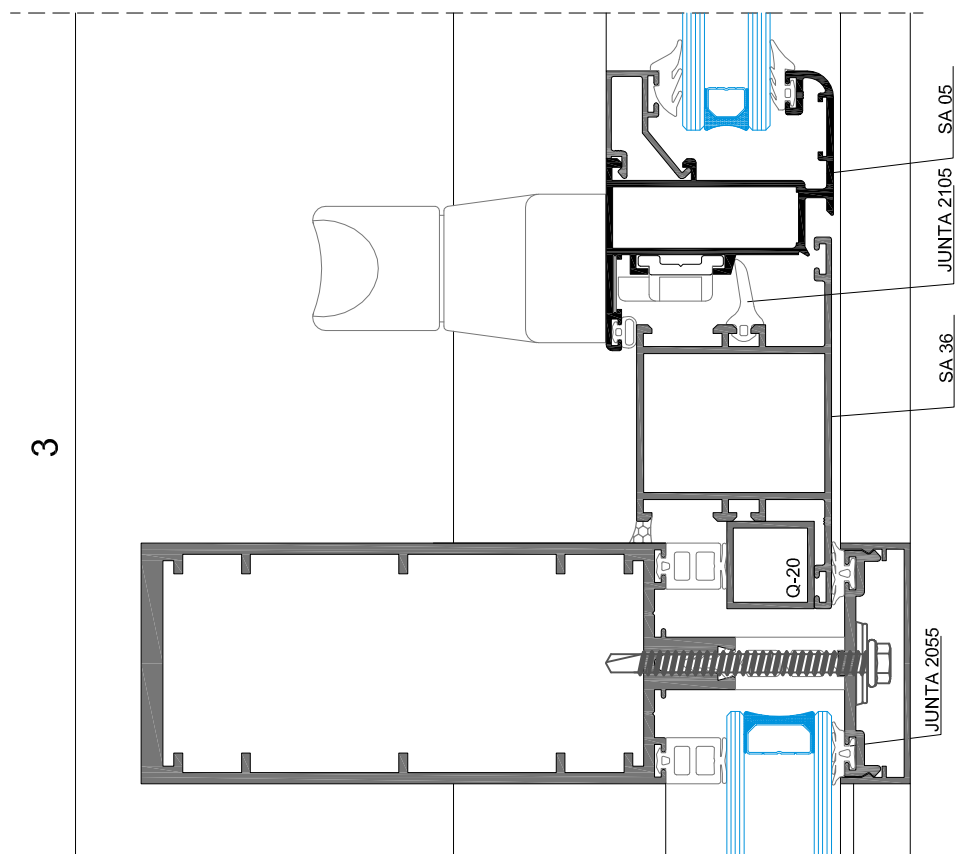
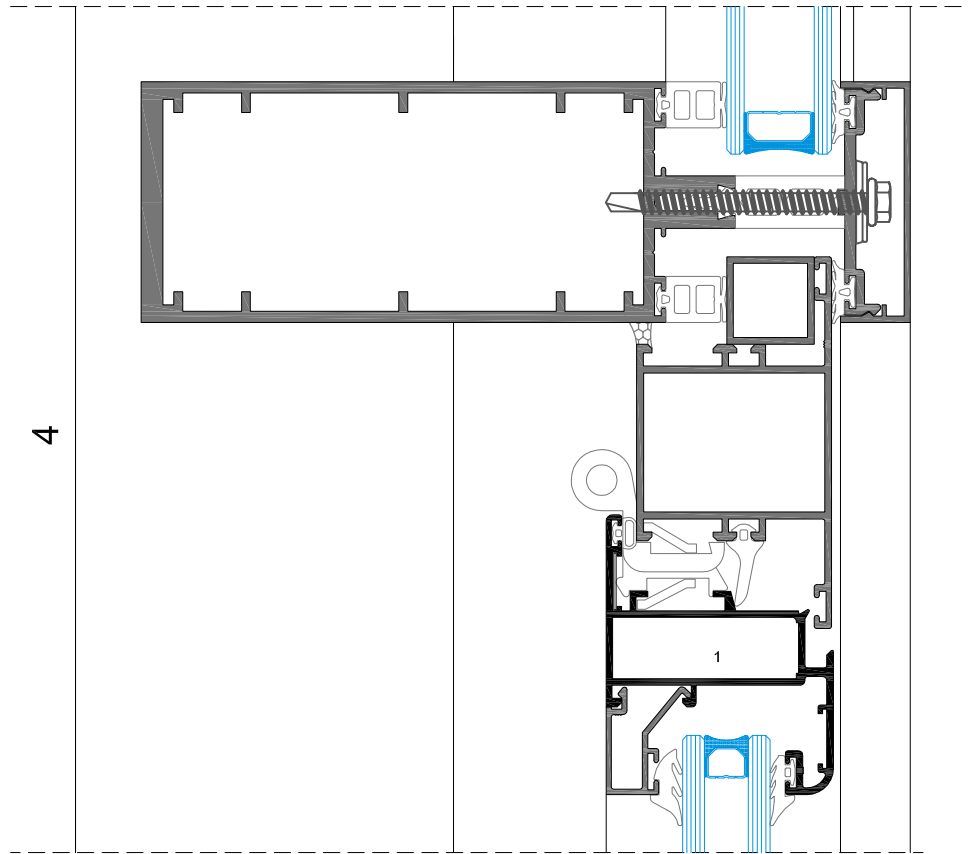
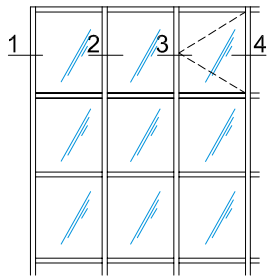
APLICAR EM PROJECTANTE COM L>600mm
 -1 MANÍPULO ARTICULADO FC ESQUERDO
 -1 MANÍPULO ARTICULADO FC DIREITO
 -2 CONTRA-FECHOS MA FC



FACHADA ESTRUTURAL: PORMENORES 1 E 2

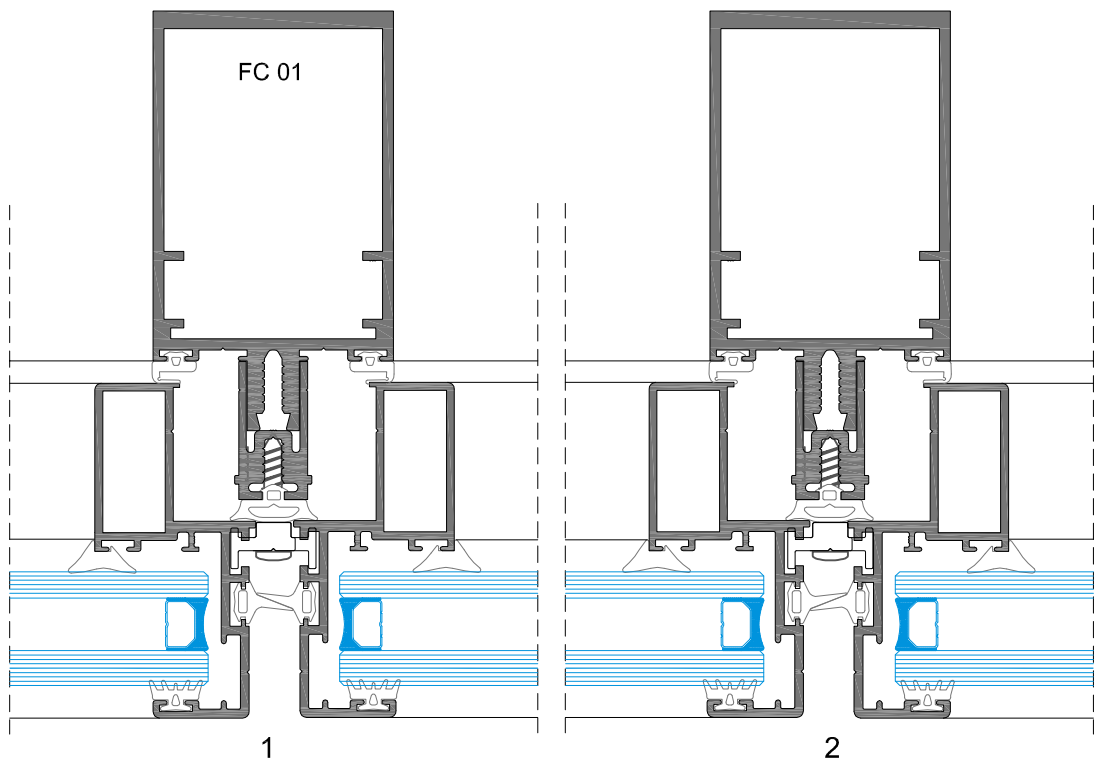
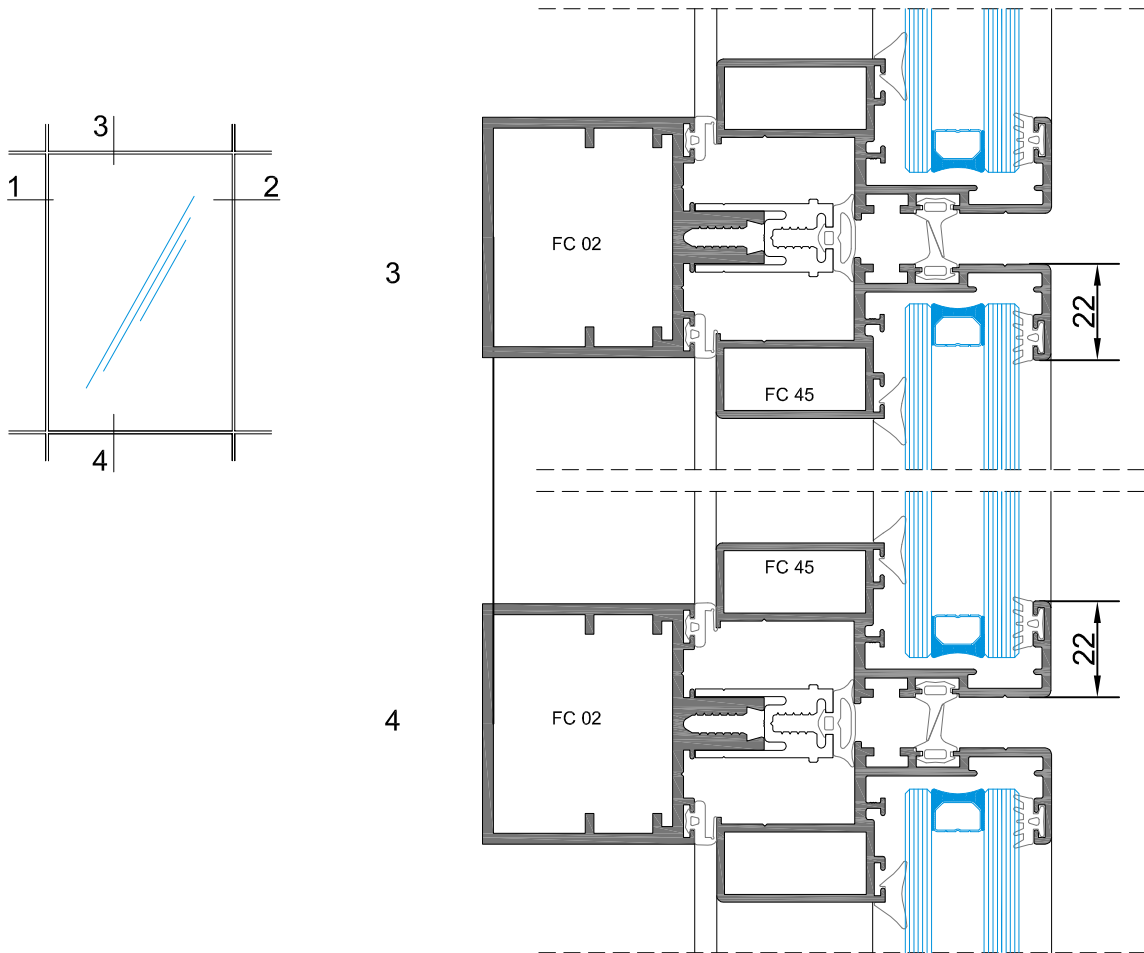


FACHADA ESTRUTURAL: PORMENORES 3 E 4

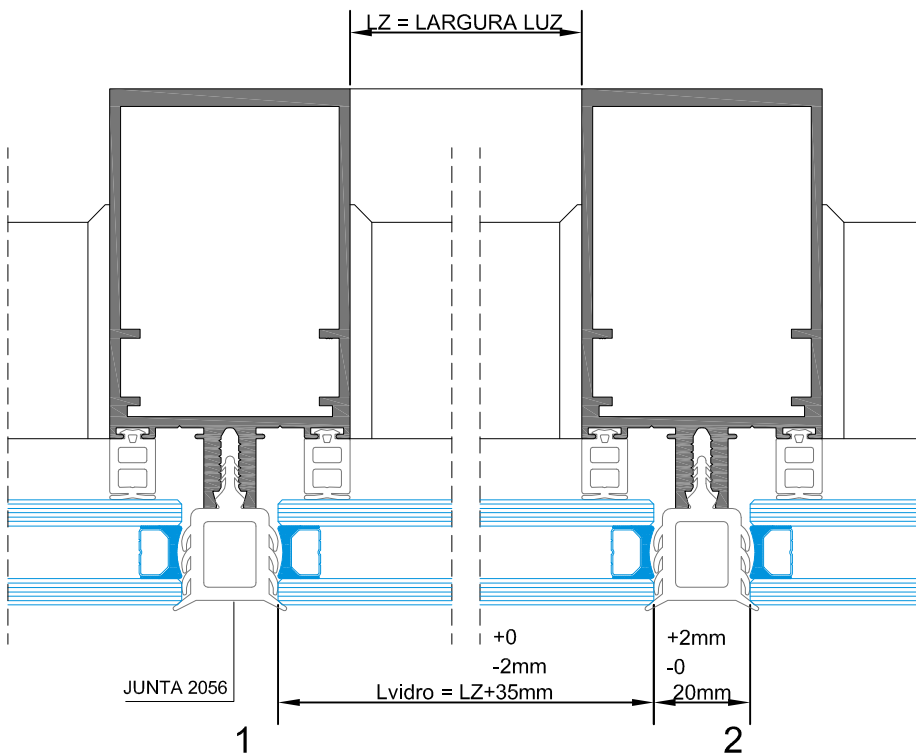
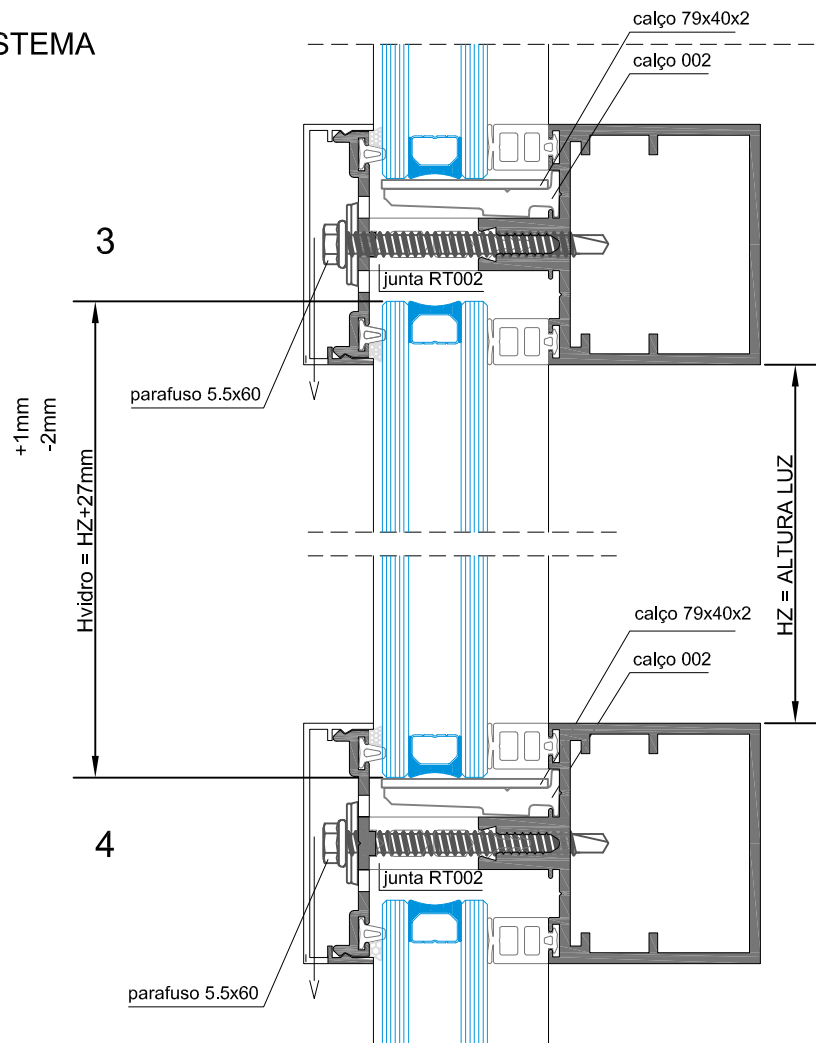
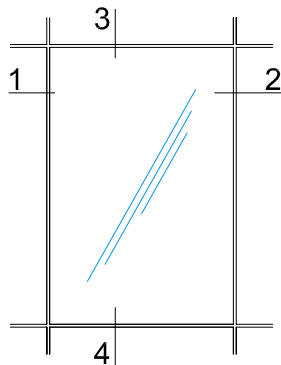


FACHADA ESTRUTURAL: PORMENORES 3 E 4

PORMENOR DE FACHADA SEMI-OCULTA - MONTANTE
 PORMENOR DE FACHADA SEMI-OCULTA - TRAVESSA



FC-HORIZONTE: NOVO SISTEMA



As dimensões dos vidros são essenciais para um bom desempenho da nova fachada FC-Horizonte.

FACHADA OCULTA
COM O PERFIL FC54

