

**aluminorte** Desde 1986  
alumínio e acessórios

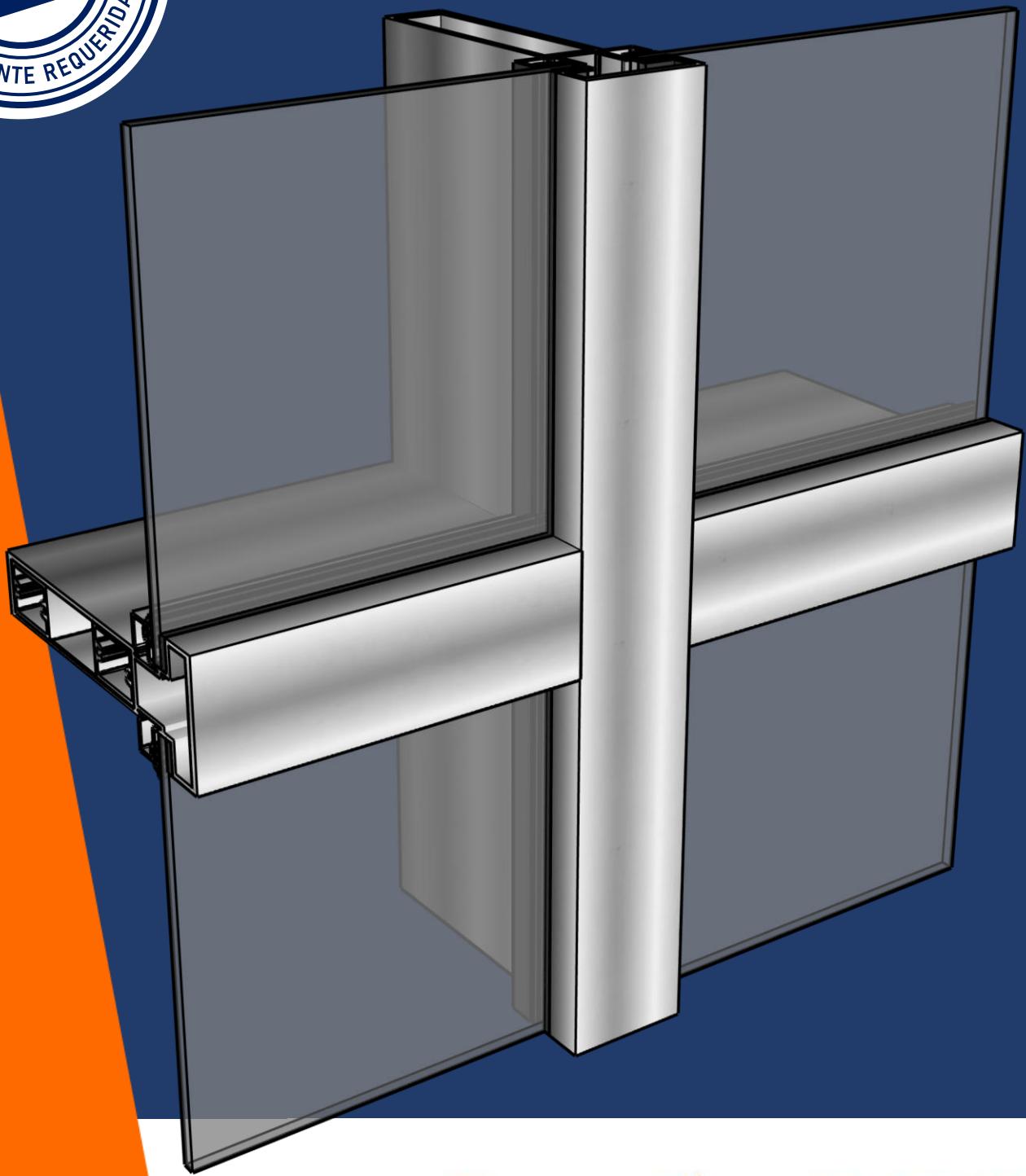
Soluções para  
alumínio desde  
1986



Sistema  
**Aluminorte**  
Cátalogo completo

VERSÃO VII – Outubro 2024

SP|GRID  
+ FACHADA



**Edifício Valente**  
Rua Capote Valente, Pinheiros – São Paulo

Arquitetura FGMF  
Idea Zarvos  
Esquadrias ABA

## Sistema Aluminorte

Sistemas utilizados:



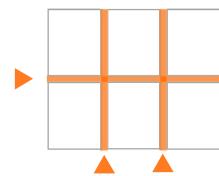
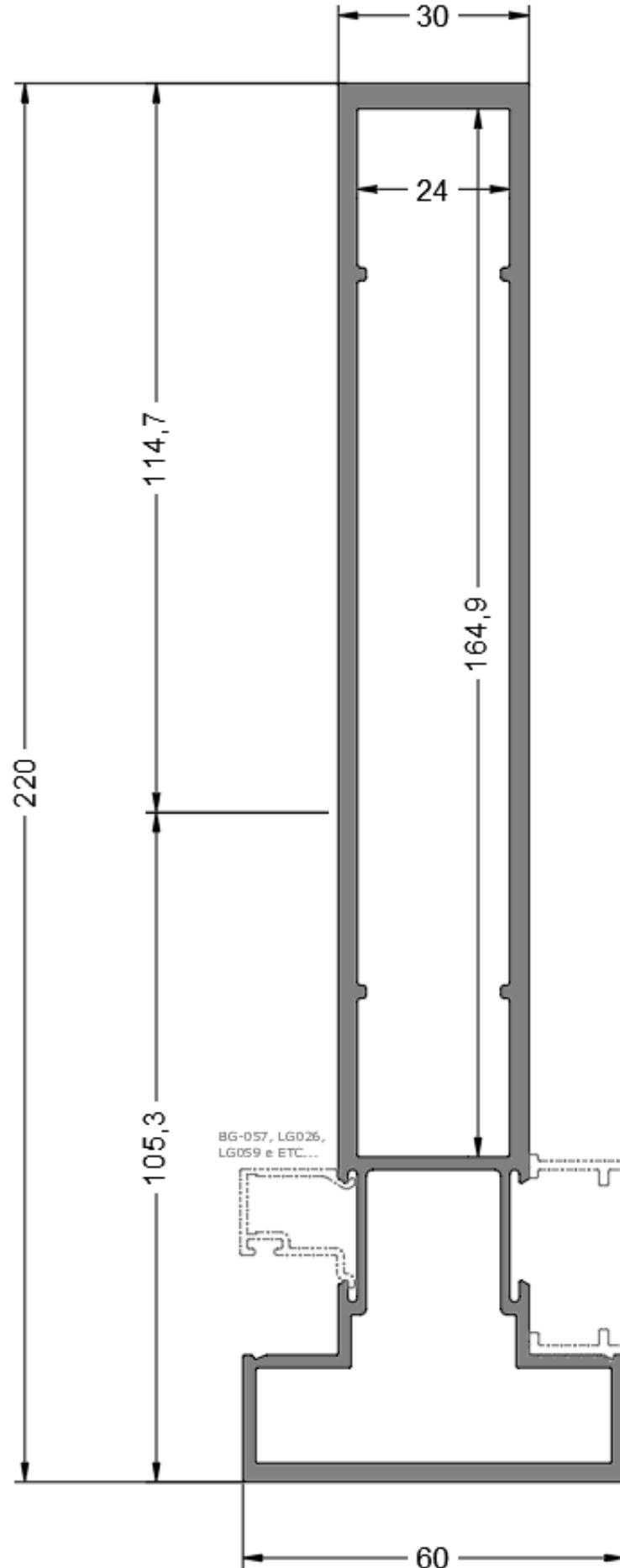
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	CÓDIGO	DESCRIÇÃO	PESO	PÁG	
	<b>BG-057</b>	Baguete	0,167 kg/m	<b>08</b>	
	<b>LG-015</b>	Baguete	0,147 kg/m	<b>08</b>	
	<b>LG-026</b>	Baguete	0,158 kg/m	<b>08</b>	
	<b>LG-027</b>	Baguete	0,149 kg/m	<b>08</b>	
	<b>LG-085</b>	Folha	0,529 kg/m	<b>07</b>	
	<b>SPG-003</b>	Marco Glazing	0,543 kg/m	<b>06</b>	
	<b>SPG-004</b>	Folha Glazing	0,250 kg/m	<b>07</b>	
	<b>SPG-005</b>	Coluna e Travessa	2,912 kg/m	<b>03</b>	
	<b>SPG-006</b>	Coluna e Travessa	2,221 kg/m	<b>04</b>	
	<b>SPG-007</b>	Marco	0,455 kg/m	<b>06</b>	
	<b>SPG-008</b>	Tubo Fixador	0,228 kg/m	<b>07</b>	
	<b>SPG-009</b>	Coluna e Travessa	4,365 kg/m	<b>02</b>	
	<b>SPG-010</b>	Complemento da coluna de canto	1,579 kg/m	<b>05</b>	
	<b>SPG – 6199</b>	Coluna e Travessa	3.049 Kg/m	<b>09</b>	
	<b>SPG – 6200</b>	Coluna e Travessa	2,143 kg/m	<b>10</b>	
	<b>SPG – 6201</b>	Coluna e Travessa	1,088 kg/m	<b>11</b>	
	<b>SPG – 6204</b>	Contra tampa	0,688 kg/m	<b>12</b>	
	<b>SPG – 6205</b>	Tampa 21 mm	0,735 kg/m	<b>12</b>	
	<b>SPG – 6206</b>	Tampa 15 mm	0,530 kg/m	<b>12</b>	
	<b>SPG – 6202</b>	Coluna e travessa	1,503 kg/m	<b>13</b>	
	<b>SPG – 6203</b>	Tampa SPG-6202	0,477 kg/m	<b>14</b>	

**SPG-009**

Coluna e Travessa  
4,626 Kg/m



Para região 3 – Até 30 pavimentos ou 90m,  
essa coluna pode ser utilizada com 800 mm  
de largura em vãos de até

**6,0 metros de altura**

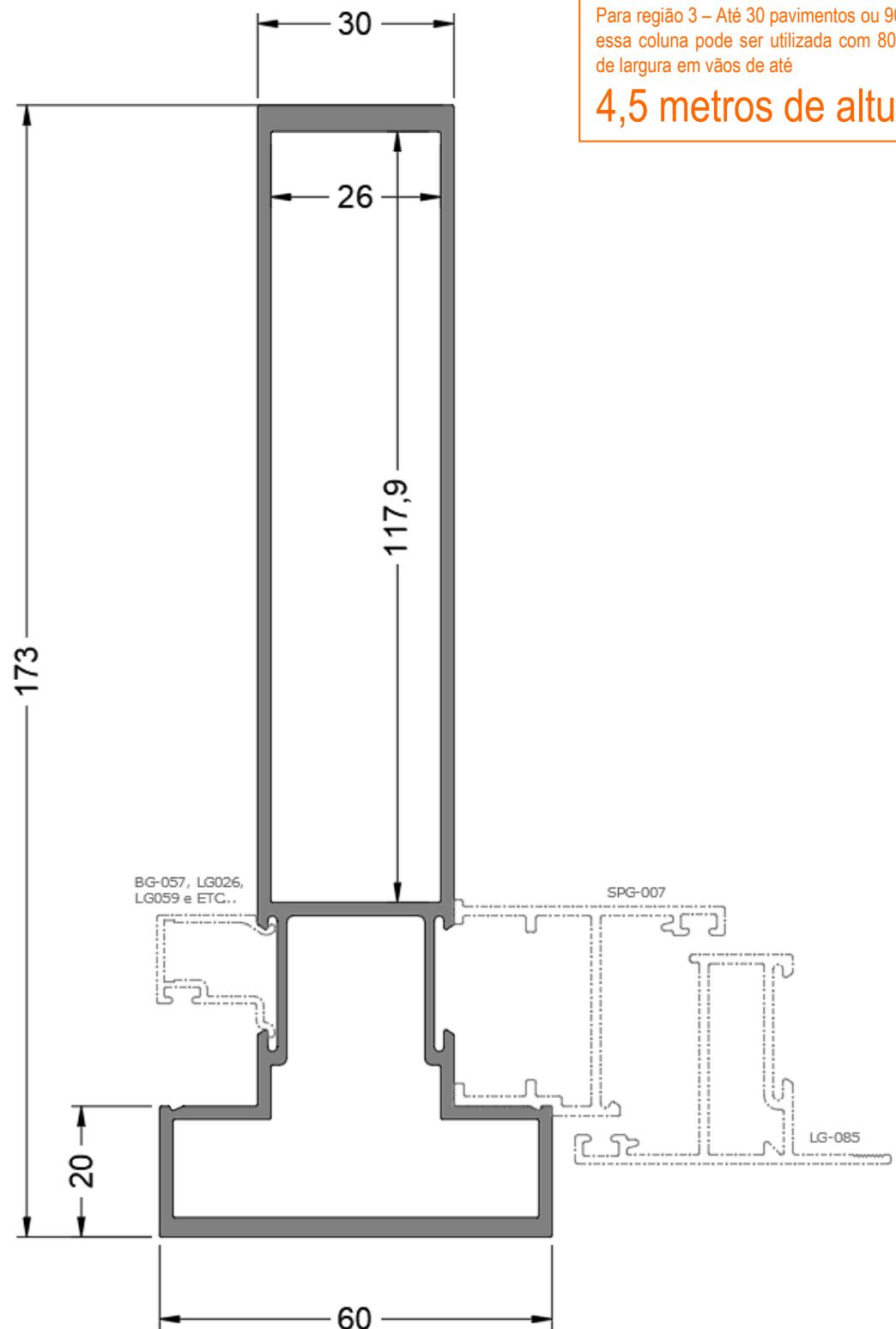
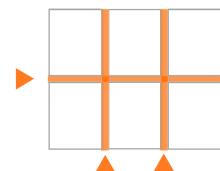
$J_x = 836.8494 \text{ cm}^4$	$W_x = 72.959 \text{ cm}^3$
$J_y = 35.0642 \text{ cm}^4$	$W_y = 23.376 \text{ cm}^3$

\*dimensões em milímetros

**SPG-005**

Coluna e Travessa

2,912 Kg/m



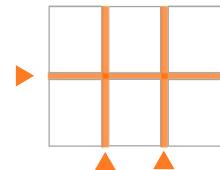
$J_x = 390.972 \text{ cm}^4$	$W_x = 40.223 \text{ cm}^3$
$J_y = 26.073 \text{ cm}^4$	$W_y = 8.691 \text{ cm}^3$

\*dimensões em milímetros

**SPG-006**

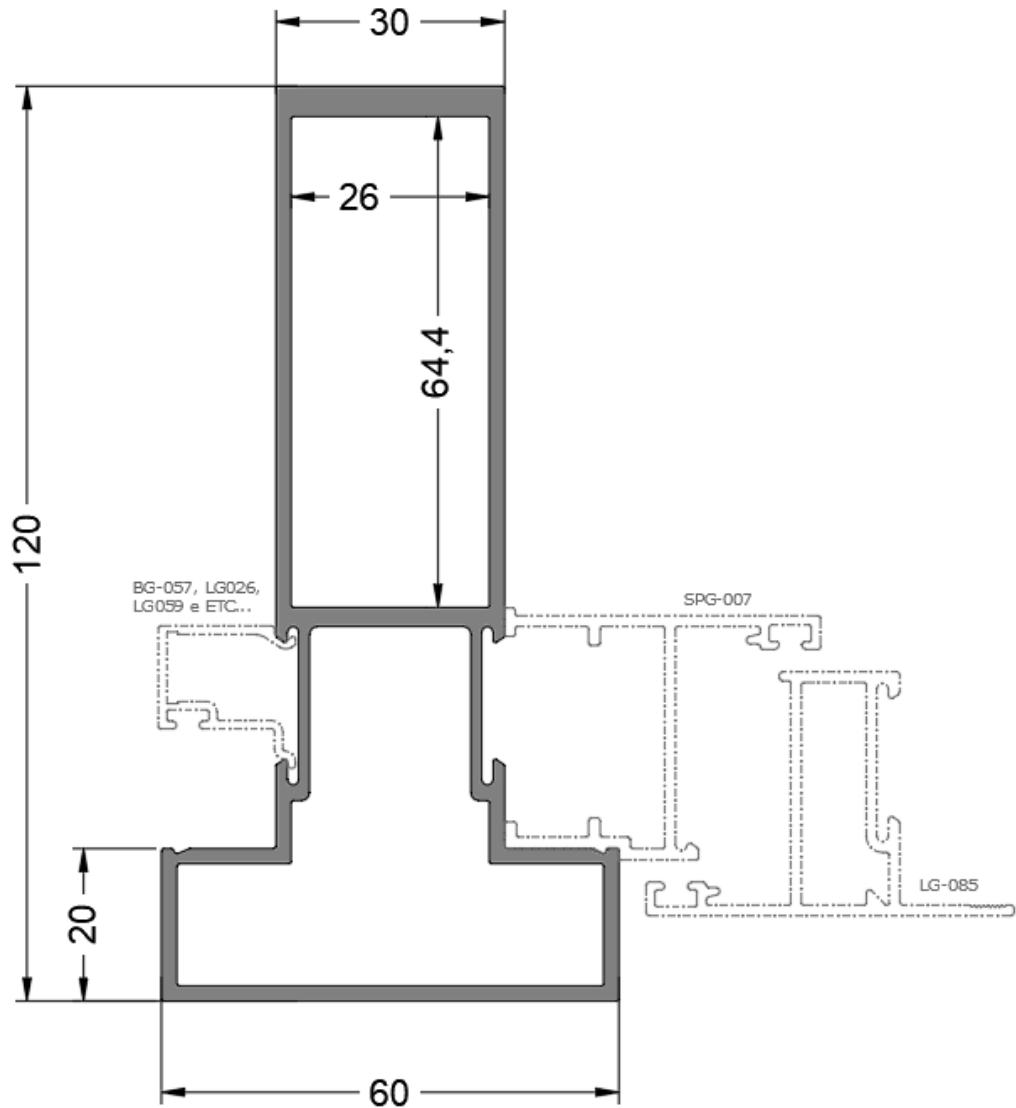
Coluna e Travessa

2,221 Kg/m



Para região 3 – Até 30 pavimentos ou 90m,  
essa coluna pode ser utilizada com 800 mm  
de largura em vãos de até

**3,5 metros de altura**



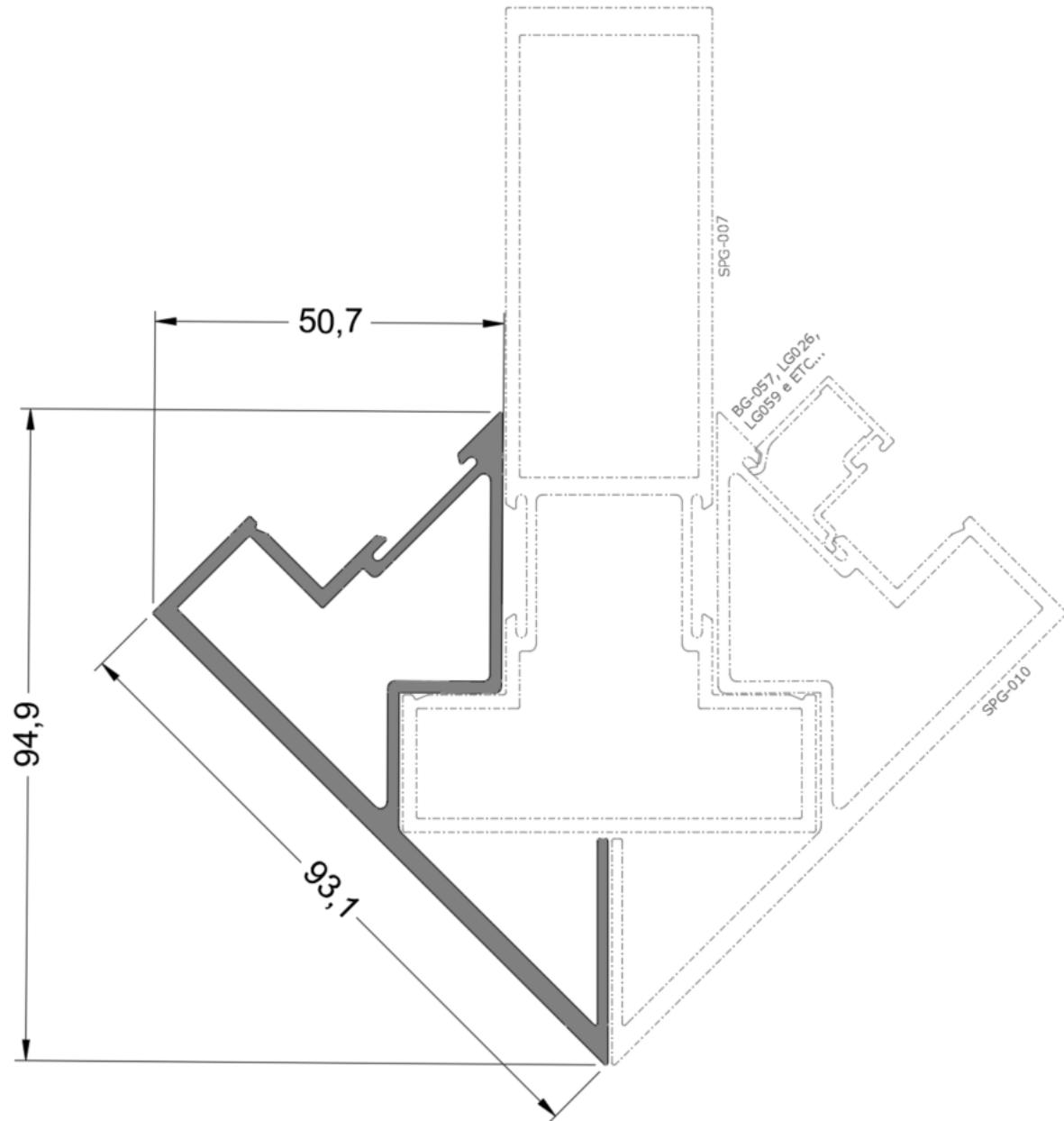
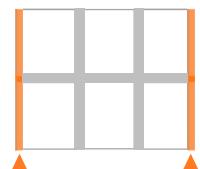
$J_x = 141,0403 \text{ cm}^4$	$W_x = 21,833 \text{ cm}^3$
$J_y = 20,521 \text{ cm}^4$	$W_y = 6,840 \text{ cm}^3$

\*dimensões em milímetros

**SPG-010**

Complemento coluna de canto

1,579 Kg/m

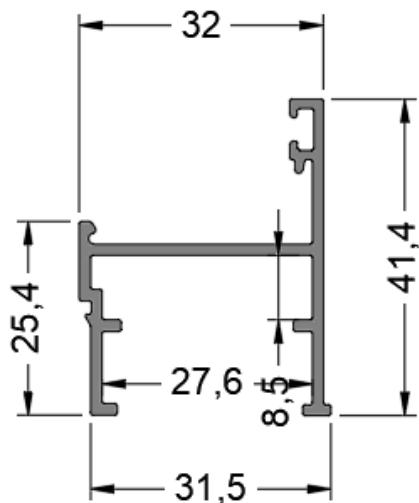
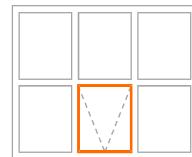


$J_x = 36,4823 \text{ cm}^4$	$W_x = 18,7930 \text{ cm}^4$
$J_y = 7,415 \text{ cm}^3$	$W_y = 5,120 \text{ cm}^3$

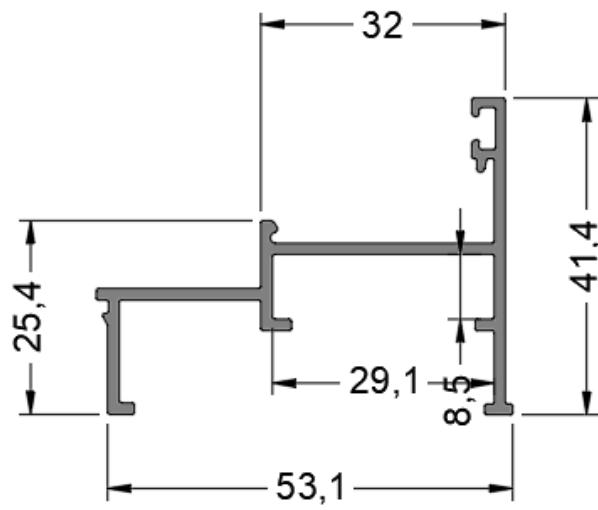
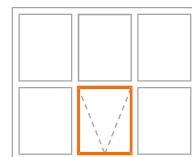
\*dimensões em milímetros

**SPG-007**

Marco  
0,445 Kg/m

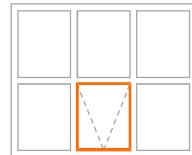
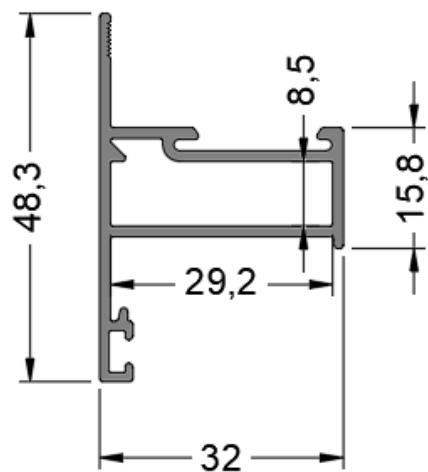
**SPG-003**

Marco Glazing  
0,543 Kg/m

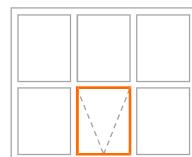
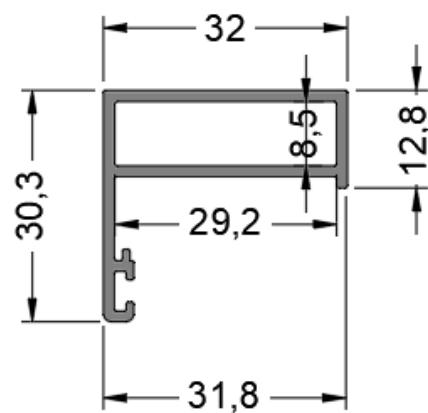


**LG-085**

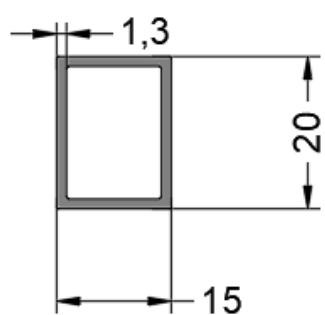
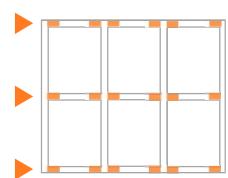
Folha  
0,529 Kg/m

**SPG-004**

Folha Glazing  
0,250 Kg/m

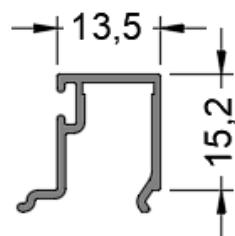
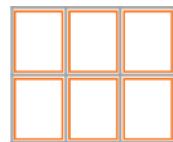
**SPG-008**

Fixador De Travessa  
0,228 Kg/m

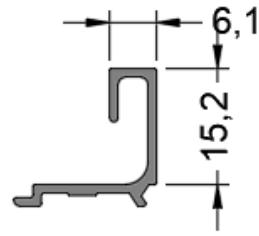
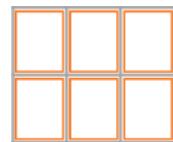


**BG-057**

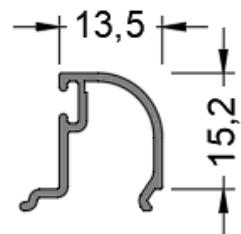
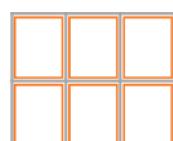
Baguete  
0,167 Kg/m

**LG-027**

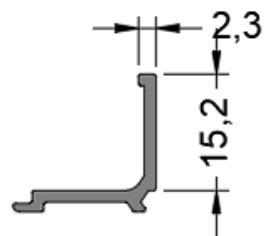
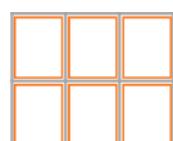
Baguete  
0,149 Kg/m

**LG-026**

Baguete  
0,158 Kg/m

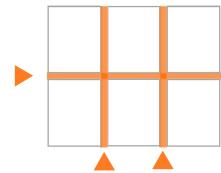
**LG-015**

Baguete  
0,147 Kg/m



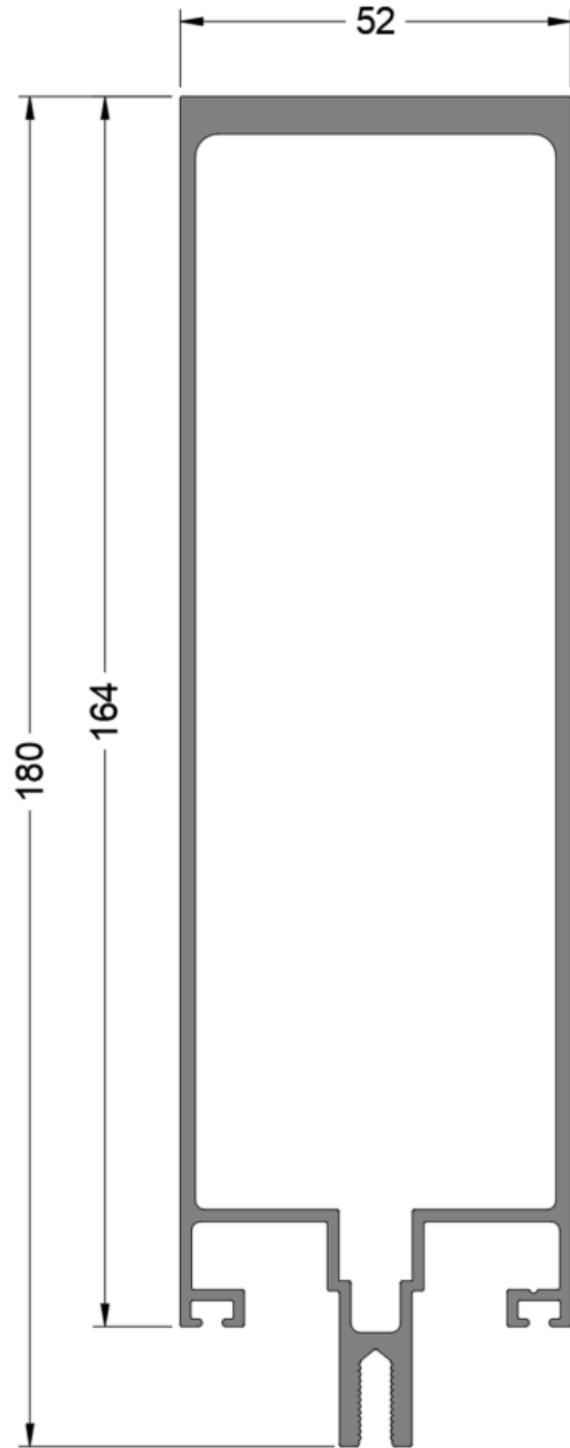
**SPG-6199**Coluna e Travessa  
3,049 Kg/m

## Perfil sob consulta



Para região 3 – Até 30 pavimentos ou 90m,  
essa coluna pode ser utilizada com 800mm  
de largura em vãos de até

**5,2 metros de altura**

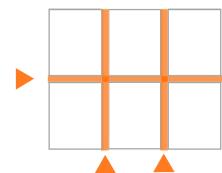


$J_x = 446.0937 \text{ cm}^4$	$W_x = 44.923 \text{ cm}^3$
$J_y = 48.1838 \text{ cm}^4$	$W_y = 18.532 \text{ cm}^3$

\*dimensões em milímetros

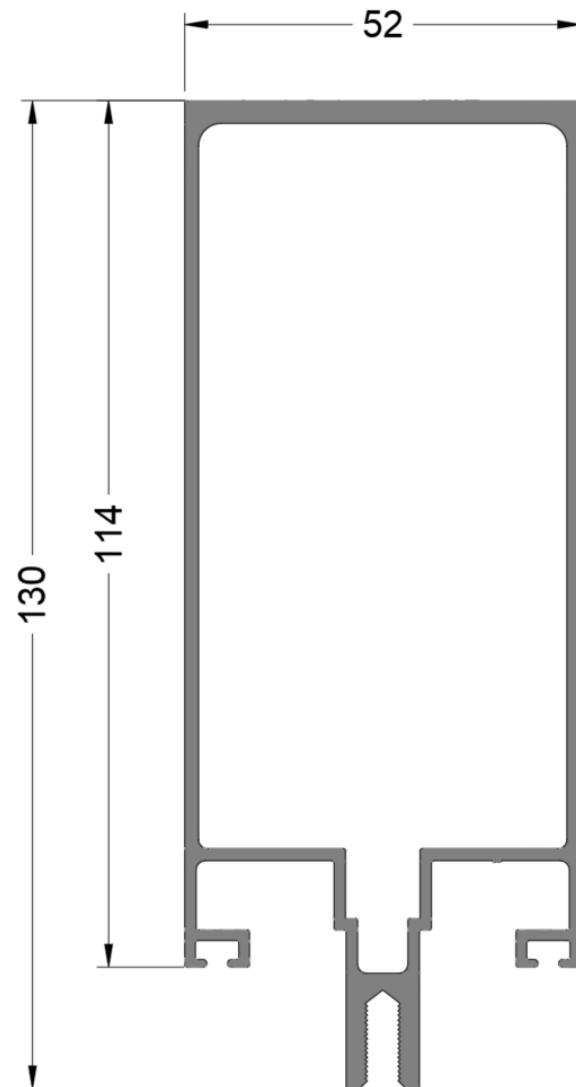
**SPG-6200**Coluna e Travessa  
2.143 Kg/m

## Perfil sob consulta



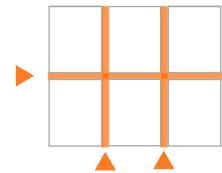
Para região 3 – Até 30 pavimentos ou 90m,  
essa coluna pode ser utilizada com 800 mm  
de largura em vãos de até

**3,7 metros de altura**

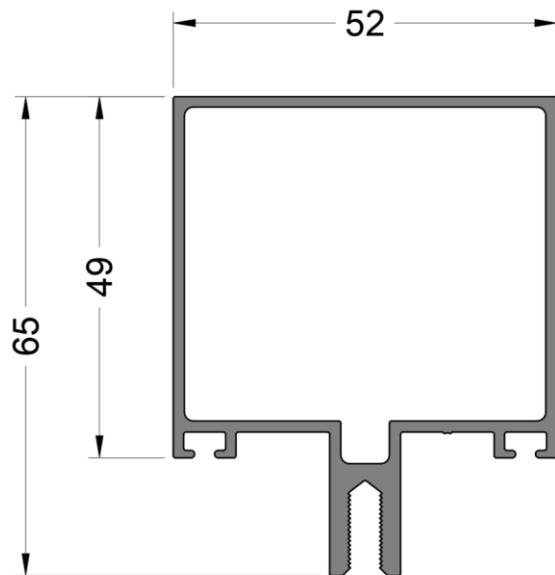


$J_x = 158.6235 \text{ cm}^4$	$W_x = 25.379 \text{ cm}^3$
$J_y = 31.6437 \text{ cm}^4$	$W_y = 12.170 \text{ cm}^3$

\*dimensões em milímetros

**SPG-6201**Coluna e Travessa  
1,088 Kg/m**Perfil sob consulta**

Para região 3 – Até 30 pavimentos ou 90m,  
essa coluna pode ser utilizada com 800 mm  
de largura em vãos de até

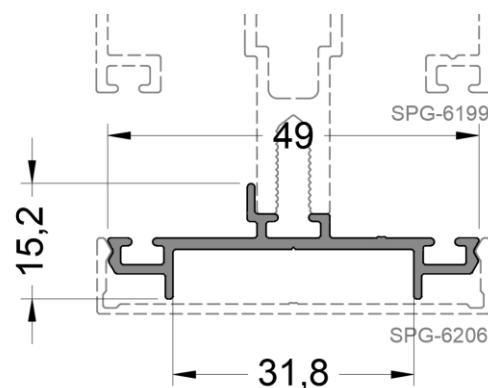
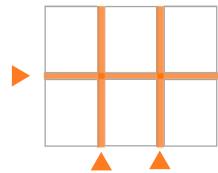
**1,8 metros de altura**

$J_x = 18.0223 \text{ cm}^4$	$W_x = 12.9660 \text{ cm}^3$
$J_y = 5.511 \text{ cm}^4$	$W_y = 4.986 \text{ cm}^3$

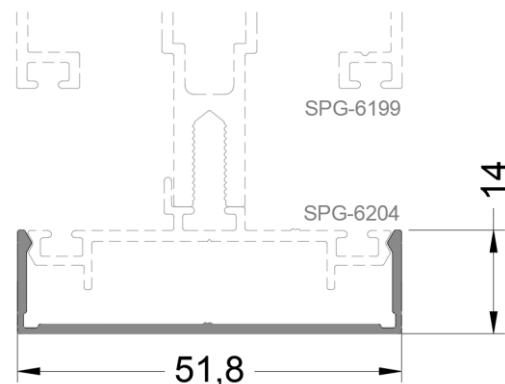
\*dimensões em milímetros

**SPG-6204**

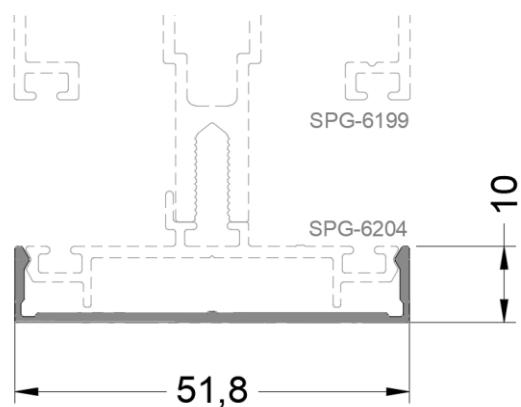
Contra tampa  
0,668 Kg/m

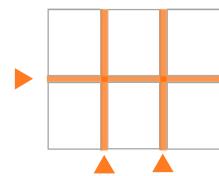
**Perfil sob consulta****SPG-6205**

Tampa 14mm  
0,735 Kg/m

**Perfil sob consulta****SPG-6206**

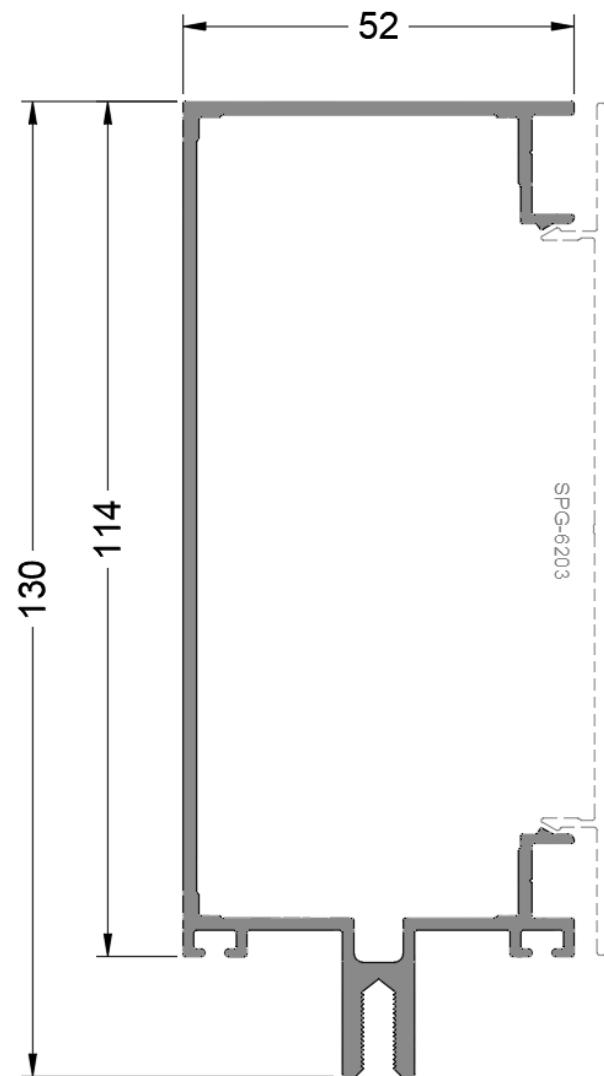
Tampa 10mm  
0,530 Kg/m

**Perfil sob consulta**

**SPG-6202**Coluna e Travessa  
1,503 Kg/m**Perfil sob consulta**

Para região 3 – Até 30 pavimentos ou 90m,  
essa coluna pode ser utilizada com 800 mm  
de largura em vãos de até

**3,4 metros de altura**



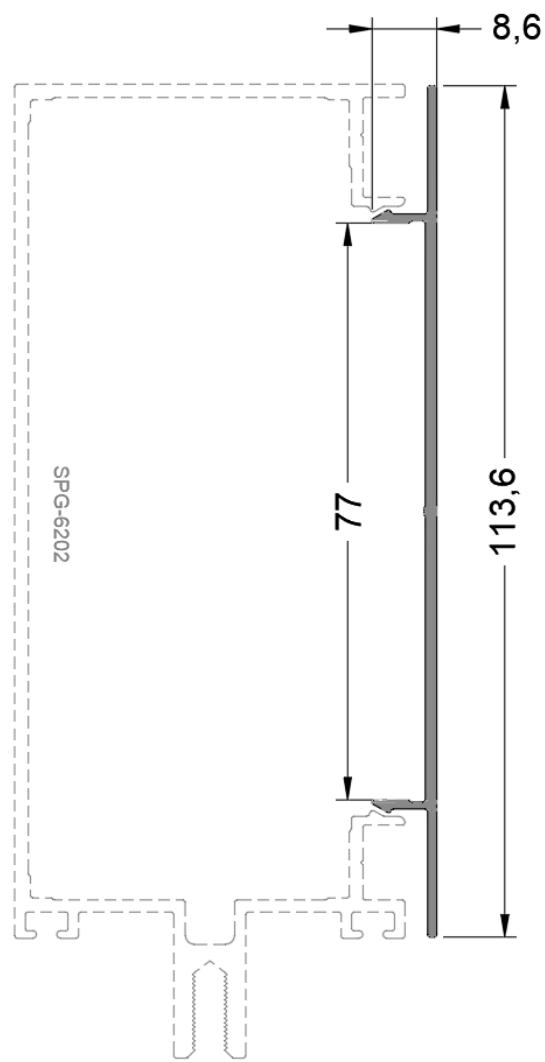
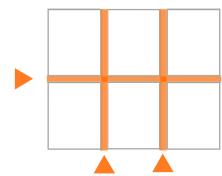
$J_x = 390.972 \text{ cm}^4$	$W_x = 40.223 \text{ cm}^3$
$J_y = 26.073 \text{ cm}^4$	$W_y = 8.691 \text{ cm}^3$

\*dimensões em milímetros

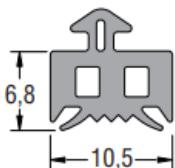
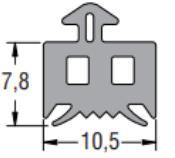
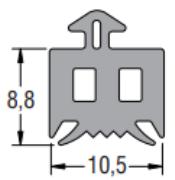
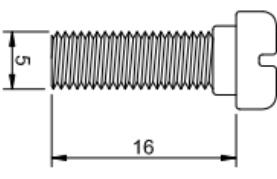
SPG-6203

Tampa  
0,477 Kg/m

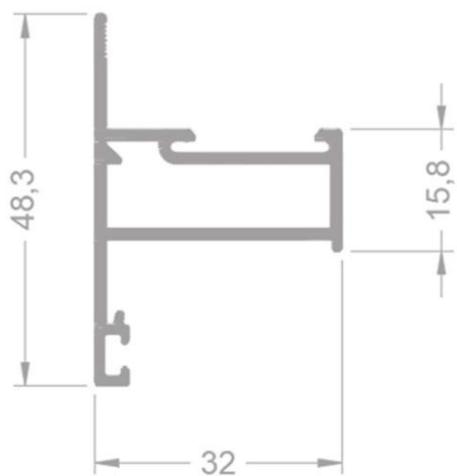
## Perfil sob consulta



ACESSÓRIO	CÓDIGO	DESCRIÇÃO
	<b>BRAUDMAX 17PD</b>	Braço Projetante (Pág. 8)
	<b>CHUPRP380AINX</b>	Chumbador Expansivo com Prolongador 3/8" x 110 mm – aço Inox
	<b>CHUPFP3802INX</b>	Chumbador Expansivo com prolongador 3/8" x 114 mm – aço inox
	<b>GUA239</b>	Guarnição do Marco EPDM Preto (Pág. 07)
	<b>GUA259</b>	Guarnição do Vidro EPDM Preto (Pág. 07)
	<b>GUA 304</b>	Guarnição Adesiva Esponjosa 14 mm x 6,4 mm – Preta (Pág.07)
	<b>GUA306</b>	Guarnição Adesiva Esponjosa 14 mm x 4,8 mm – Preta (Pág.07)
	<b>FECHO 6735D</b>	Fecho Maxim-ar 6735dD Gold c/ CCTF B7 – Udinese (Pág.09)
	<b>FECHO 735D</b>	Fecho Maxim-ar 735D Gold c/ CCTF B7 – Udinese (Pág.10)
	<b>PAR4213</b>	Parafuso AA Ø 4,2 x 13 mm
	<b>PAR4216</b>	Parafuso AA Ø 4,2 x 13 mm (auto brocante)
	<b>PAR4219</b>	Parafuso AA Ø 4,2 x 19 mm

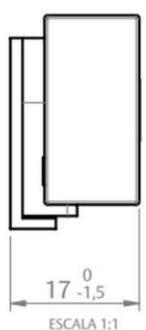
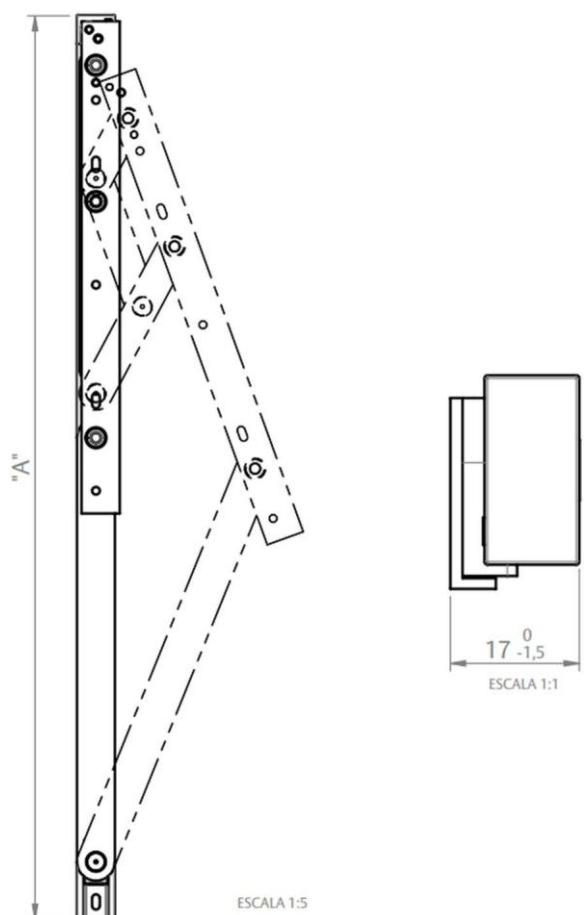
ACESSÓRIO	CÓDIGO	DESCRIÇÃO
	<b>GUA-2101-PRT</b>	Vidro 10 mm
	<b>GUA-2102-PRT</b>	Vidro 8 mm
	<b>GUA-2103-PRT</b>	Vidro 6 mm
	<b>PRX-PRM-5016-NAT</b>	Parafuso INOX

## LG-085

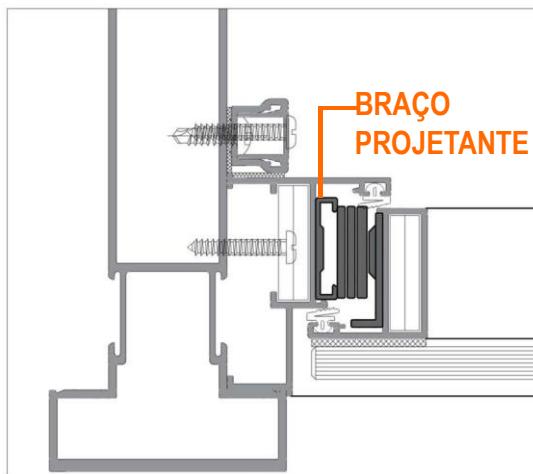


DETALHES		Espessura Vidro (mm)	Guarnição Interna	Guarnição Externa
BG-057 ou LG-056	<p>Diagram illustrating the cross-section of the profile for BG-057 or LG-056. The internal gasket is labeled GUA 259, and the external gasket is labeled GUA 304 ou GUA 306. The thickness of the glass is indicated as 8 mm.</p>	8	GUA259	GUA304
LG-027	<p>Diagram illustrating the cross-section of the profile for LG-027. The internal gasket is labeled GUA 259, and the external gasket is labeled GUA 306. The thickness of the glass is indicated as 18 mm.</p>	18	GUA259	GUA306
LG-015	<p>Diagram illustrating the cross-section of the profile for LG-015. The internal gasket is labeled GUA 259, and the external gasket is labeled GUA 306. The thickness of the glass is indicated as 22 mm.</p>	22	GUA259	GUA306

VERSÃO	COR	CÓDIGO UDINESE	CÓDIGO UNIVERSAL	LARGURA MÁX. DA FOLHA (mm)	ALTURA MÁX. DA FOLHA (mm)	CARGA MÁX. (kg)
350	BCO	9103129	BRAUDMAX17PD350BCO	1500	600	22
	PRE	9103132	BRAUDMAX17PD350PTF			
600	BCO	9103134	BRAUDMAX17PD600BCO	1500	1000	35
	PRE	9103137	BRAUDMAX17PD600PTF			
950	BCO	9103139	BRAUDMAX17PD950BCO	1500	1200	42
	PRE	9103142	BRAUDMAX17PD950PTF			
1200	BCO	9103144	BRAUDMAX17PD12000BCO	1500	1500	74
	PRE	9103147	BRAUDMAX17PD12000PTF			



## APLICAÇÃO



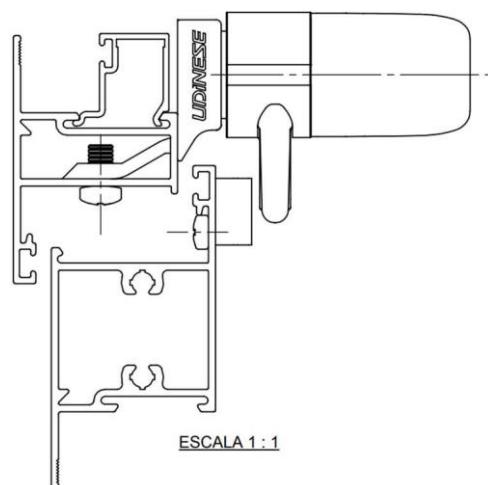
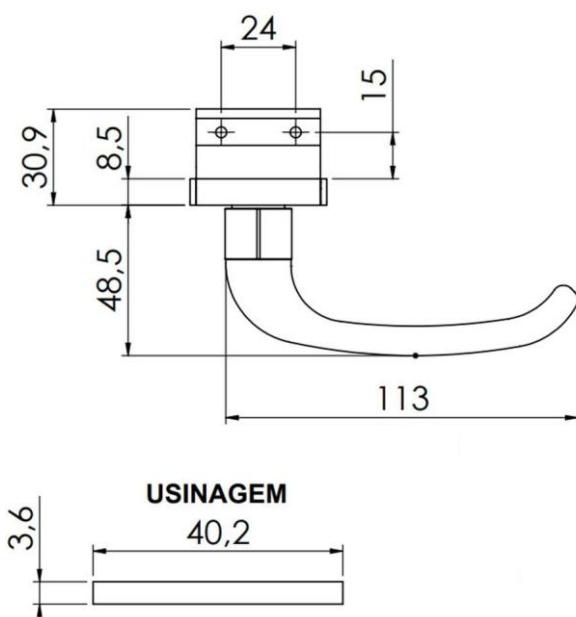
## FECHO MAX-AR 6735D GOLD C/ CCTF B7



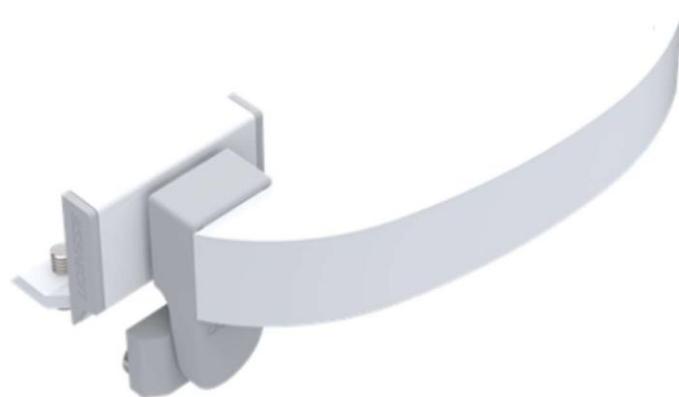
UDINESE

ASSA ABLOY

POSIÇÃO	COR	CÓDIGO	CÓDIGO CATÁLOGO
DIREITO	BCO	<b>9210735</b>	FEC6735DGB7BCO
	PRA	<b>9210736</b>	FEC6735DGB7PRA
	PTF	<b>9210737</b>	FEC6735DGB7PTF
ESQUERDO	BCO	<b>9210738</b>	FEC6735EGB7BCO
	PRA	<b>9210739</b>	FEC6735EGB7PRA
	PTF	<b>9210740</b>	FEC6735EGB7PTF



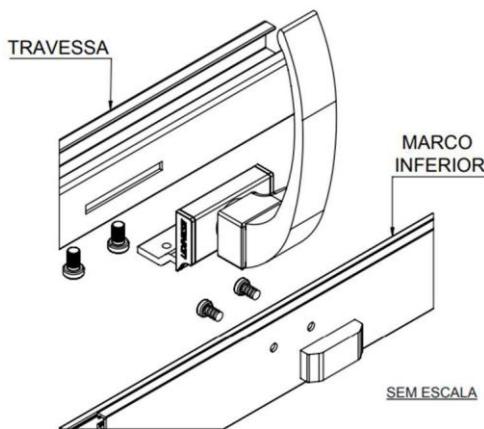
## FECHO MAX-AR 735D GOLD C/ CTF B7



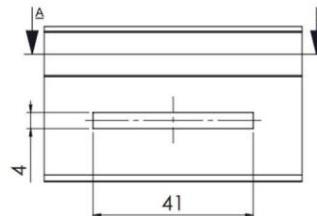
**UDINESE**  
**ASSA ABLOY**

POSIÇÃO	COR	CÓDIGO	CÓDIGO CATÁLOGO
DIREITO	BCO	<b>9210735</b>	FEC735DGOLDBCO
	PRA	<b>9210736</b>	FEC735DGOLDPRA
	PTF	<b>9209334</b>	FEC735DGOLDPTF
ESQUERDO	BCO	<b>9206789</b>	FEC735EGOLDBCO
	PRA	<b>9209657</b>	FEC735EGOLDPRA
	PTF	<b>9209362</b>	FEC735EGOLDPTF

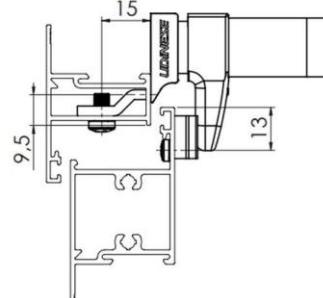
**INSTRUÇÃO DE MONTAGEM E USINAGEM**  
IMAGEM MERAMENTE ILUSTRATIVA



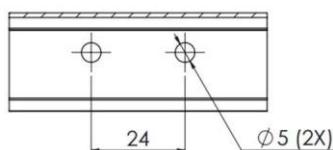
## USINAGEM DA TRAVESSA



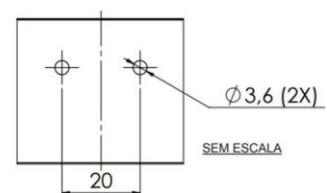
## REFERÊNCIA DE USINAGEM



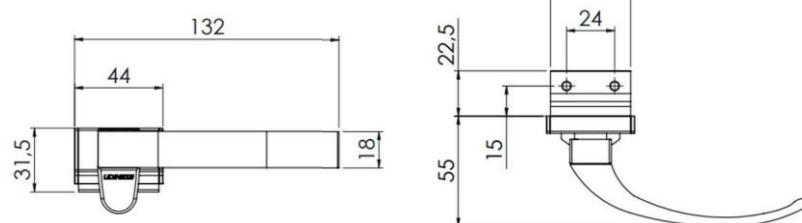
SEÇÃO A-A



## USINAGEM DO MARCO INFERIOR

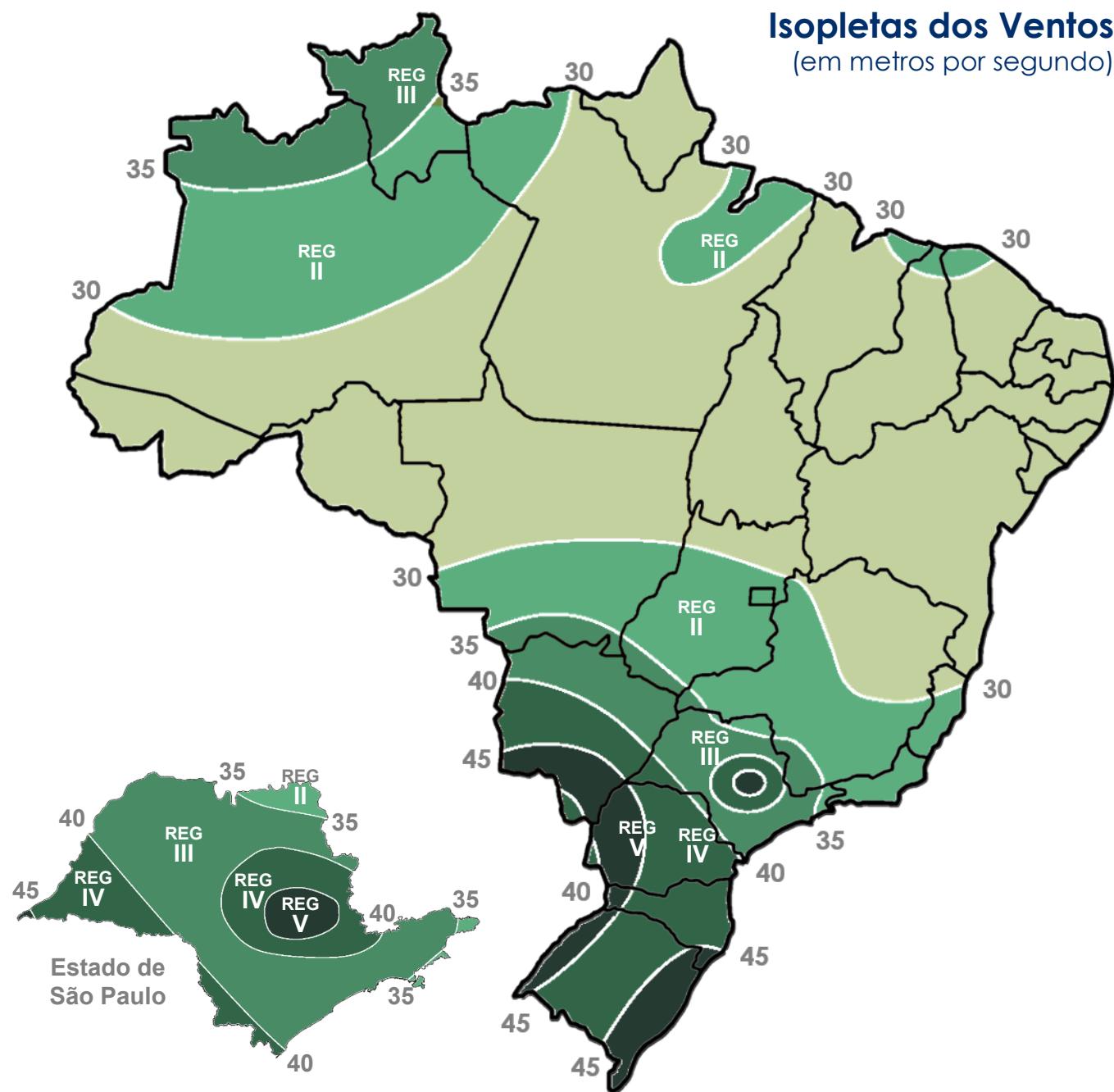


## DIMENSÕES



No Brasil, o comportamento de uma esquadria está regulamentado pela Norma ABNT NBR 10.821. Esta norma determina os parâmetros de desempenho mínimas de caixilhos em edificações residenciais e comerciais.

A velocidade do vento é o fator inicial para calcular a pressão do vento no local desejado.



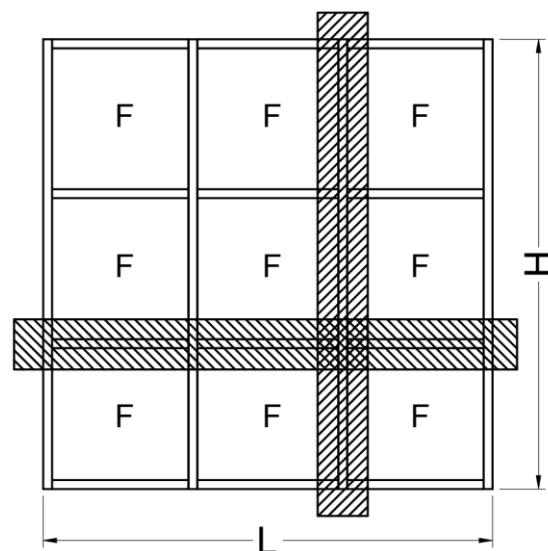
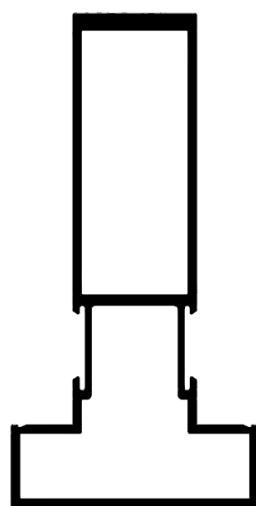
#### VELOCIDADE DO VENTO POR REGIÃO CONSIDERADA NA NORMA ABNT NBR 10.821

REGIÃO 1	REGIÃO 2	REGIÃO 3	REGIÃO 4	REGIÃO 5
até 30 m/s até 108 km/h	30 - 35 m/s 108 – 126 km/h	35 - 40 m/s 126 – 144 km/h	40 - 45 m/s 144 – 162 km/h	45 - 50 m/s 162 – 180 km/h

QUANTIDADE DE PAVIMENTOS	ALTURA MÁXIMA	REGIÕES DO PAÍS	PRESSÃO DO ENSAIO	PRESSÃO DE SEGURANÇA	PRESSÃO DE ÁGUA
			Pe em (Pa) Positiva e negativa Pe – Pp x 1,2	Ps em (Pa) Positiva e negativa Ps – Pp x 1,5	Pa em (Pa) Positiva e negativa Pa – Pp x 0,2
02	6 m	I	350	520	60
		II	470	700	80
		III	610	920	100
		IV	770	1160	130
		V	950	1430	160
05	15 m	I	420	640	70
		II	580	860	100
		III	750	1130	130
		IV	950	1430	160
		V	1180	1780	200
10	30 m	I	500	750	80
		II	680	1030	110
		III	890	1340	150
		IV	1130	1700	190
		V	1400	2090	230
20	60 m	I	600	900	100
		II	815	1220	140
		III	1060	1600	180
		IV	1350	2020	220
		V	1660	2500	280
30	90 m	I	660	980	110
		II	890	1340	150
		III	1170	1750	200
		IV	1480	2210	250
		V	1820	2730	300

Coluna e travessa de 120mm

SPG-006

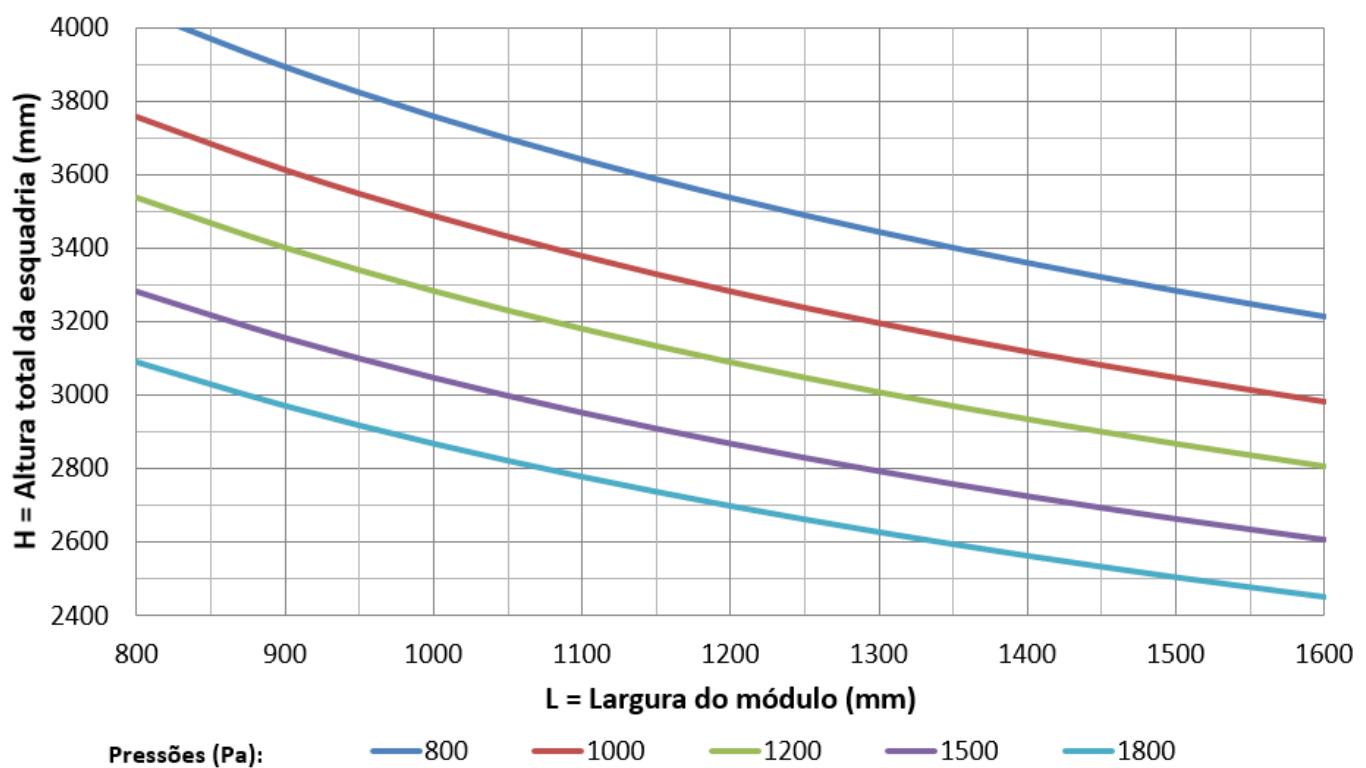
**SPG-006**

$$J_x = 141,0434 \text{ cm}^4$$

$$W_x = 21,833 \text{ cm}^3$$

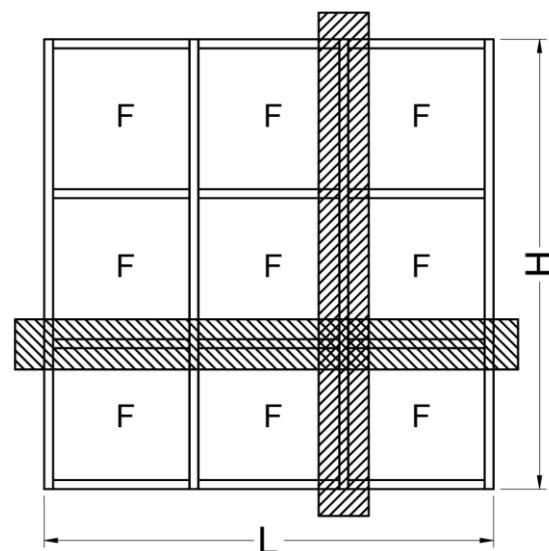
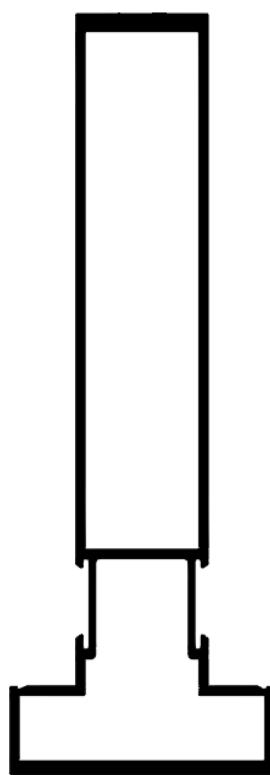
$$J_y = 20,5213 \text{ cm}^4$$

$$W_y = 6,840 \text{ cm}^3$$

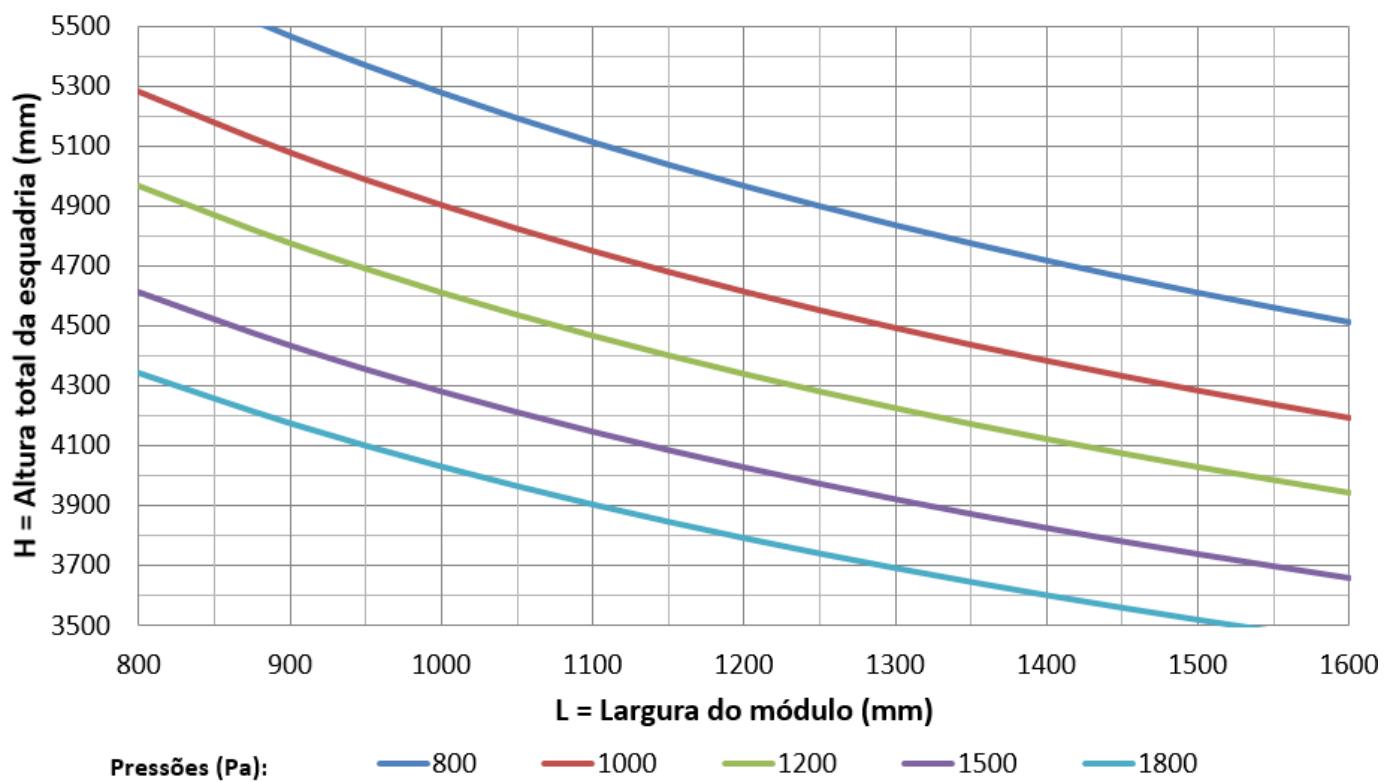


Coluna e travessa de 173mm

SPG-005

**SPG-005**

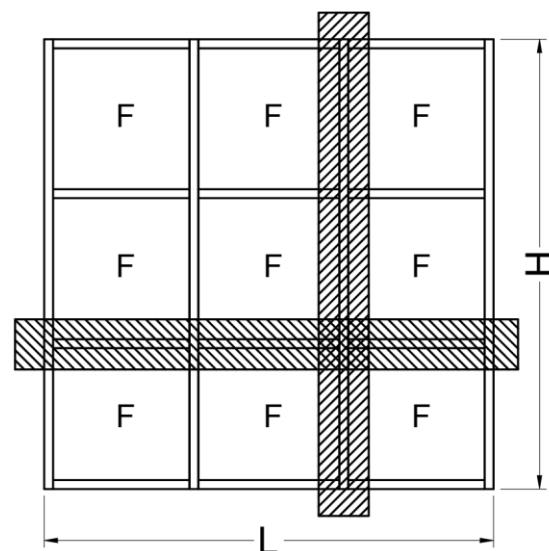
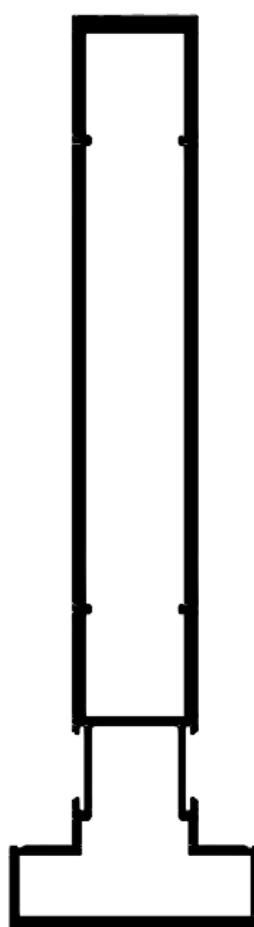
$$\begin{aligned} J_x &= 390,9729 \text{ cm}^4 \\ W_x &= 40,223 \text{ cm}^3 \\ J_y &= 26,0738 \text{ cm}^4 \\ W_y &= 8,691 \text{ cm}^3 \end{aligned}$$



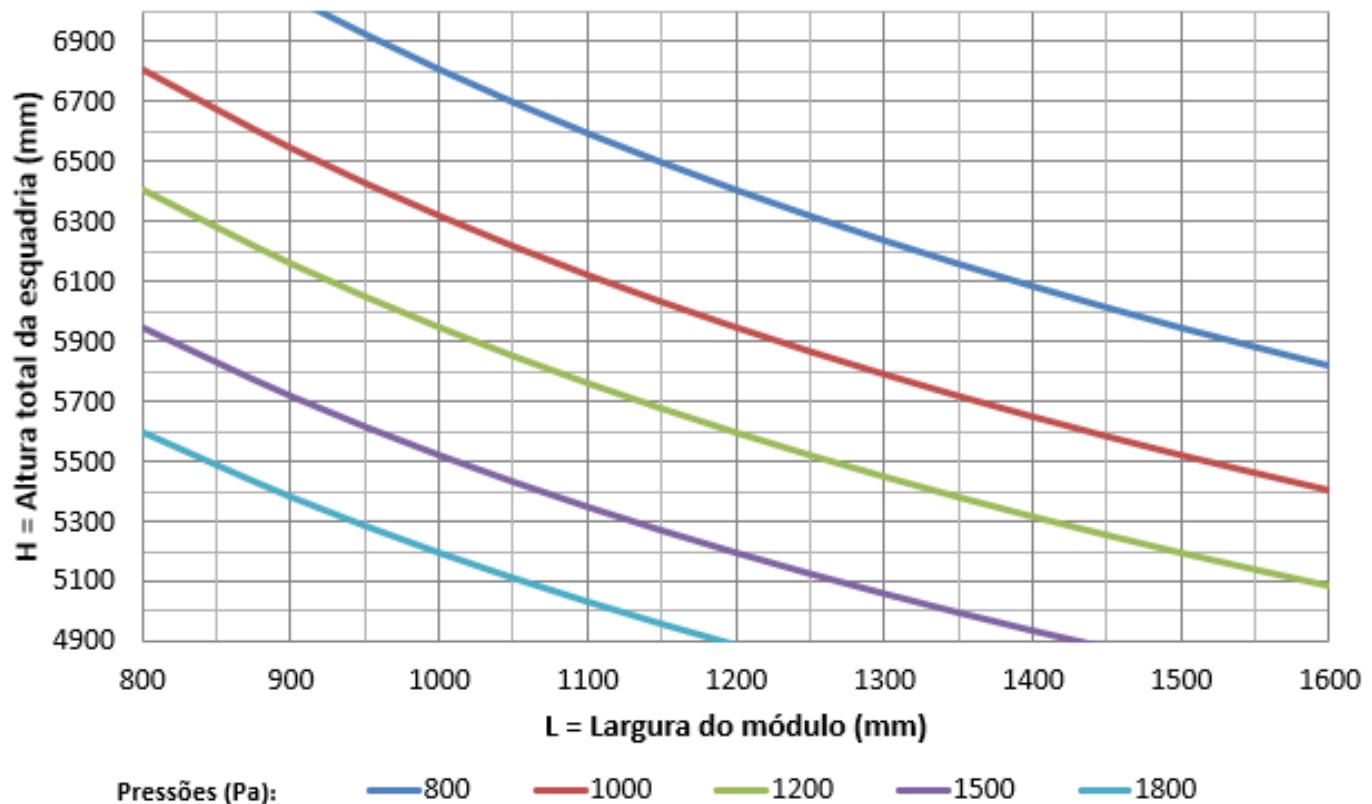
\*dimensões em milímetros

Coluna e travessa de 220mm

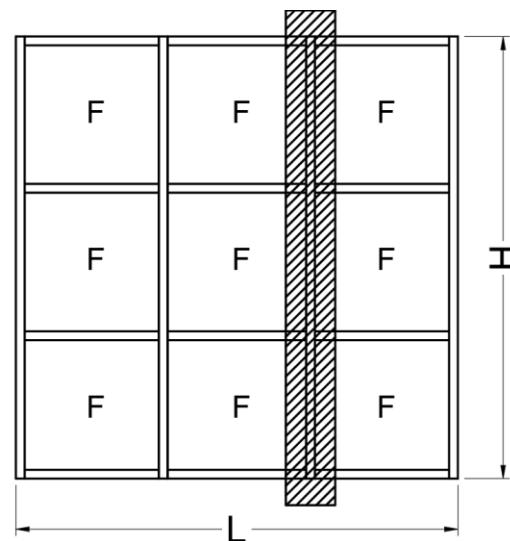
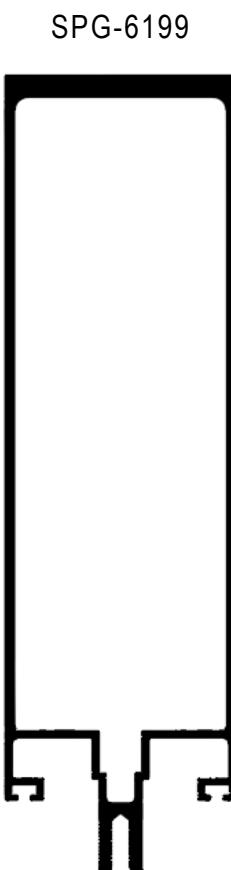
SPG-009

**SPG-009**

$$\begin{aligned} J_x &= 836,8494 \text{ cm}^4 \\ W_x &= 72,959 \text{ cm}^3 \\ J_y &= 35,0642 \text{ cm}^4 \\ W_y &= 23,376 \text{ cm}^3 \end{aligned}$$

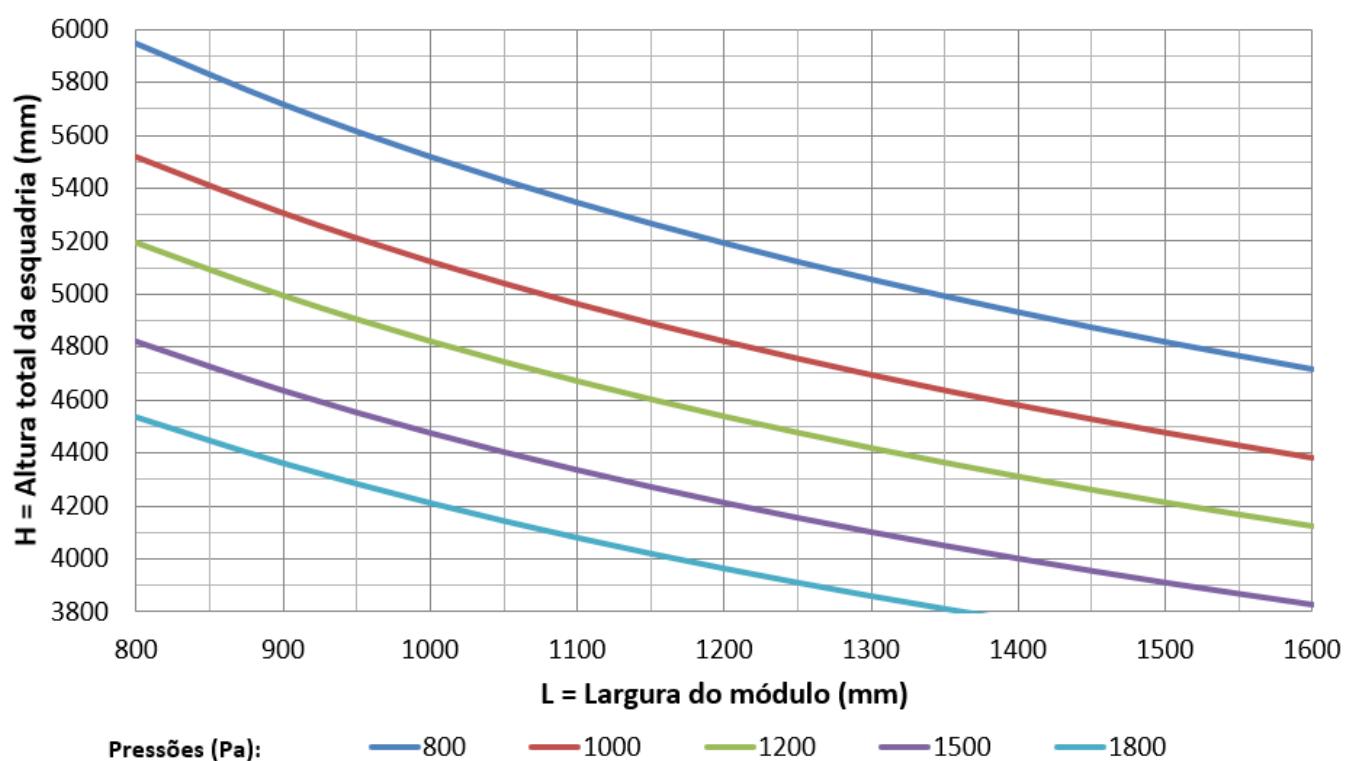


Coluna de 180mm

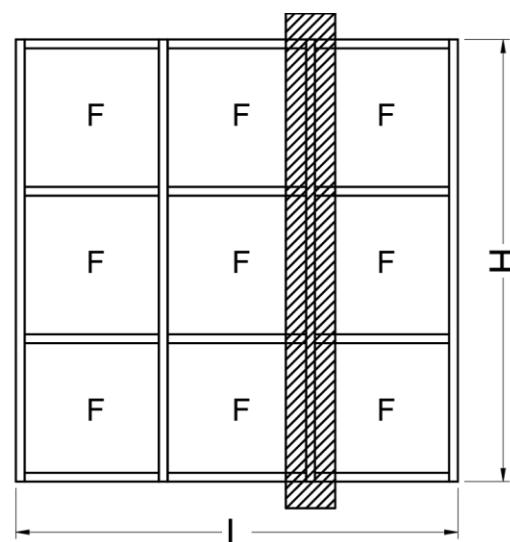
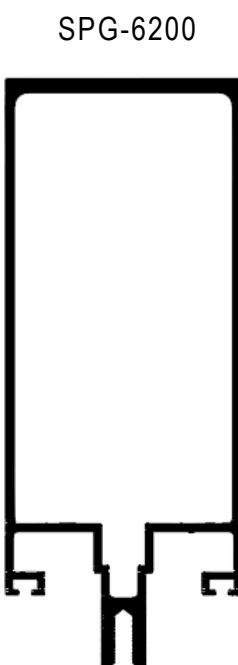
**SPG-6199**

$$J_x = 446,0937 \text{ cm}^4$$

$$W_x = 44,923 \text{ cm}^3$$

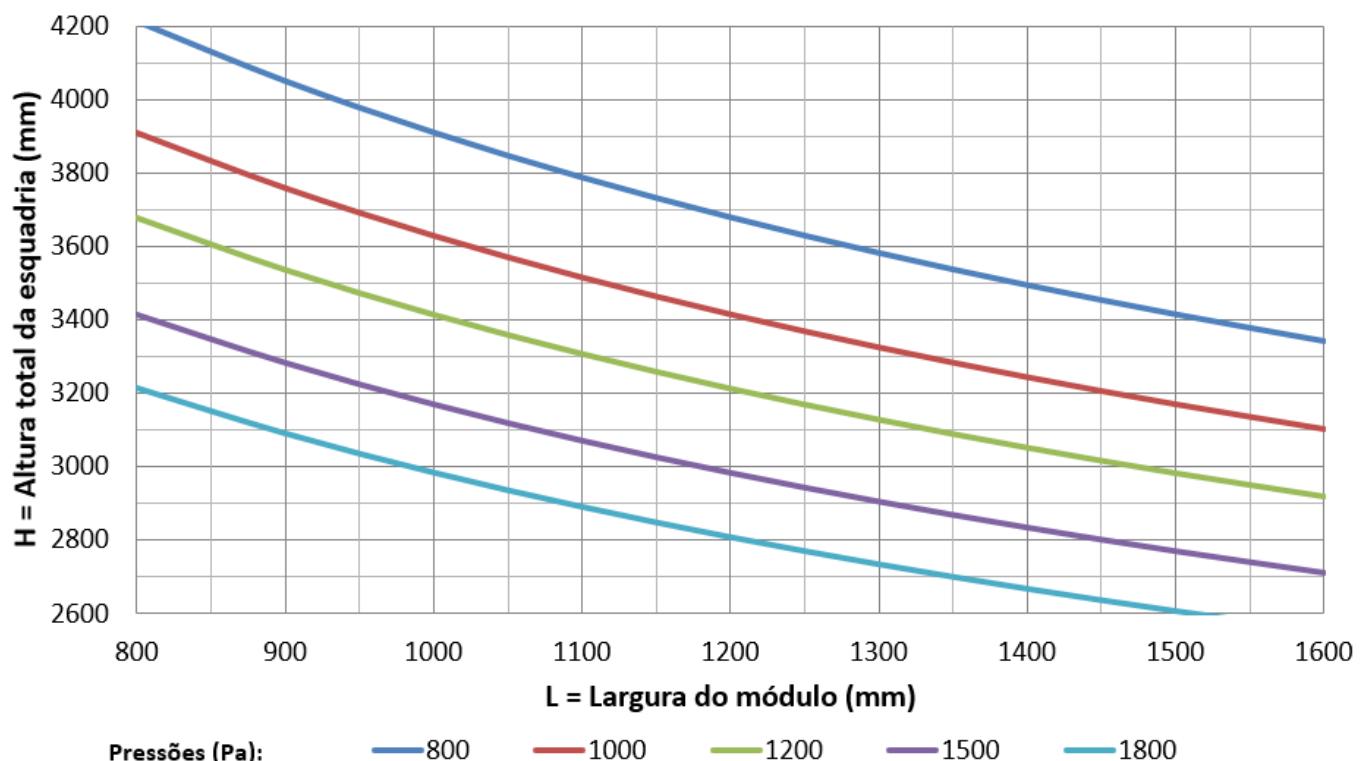


Coluna de 130mm

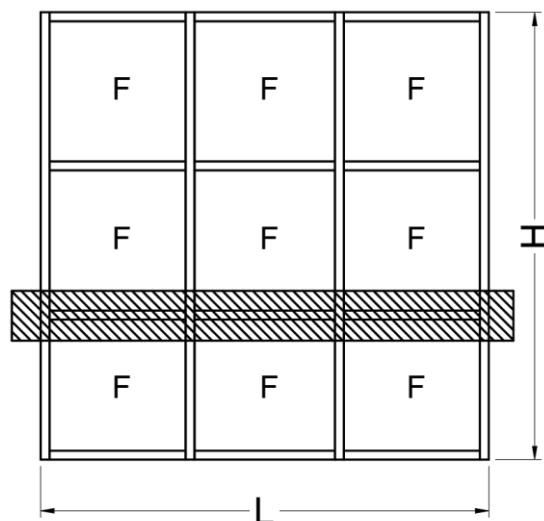
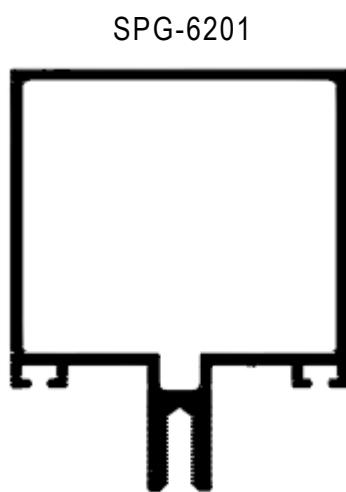
**SPG-6200**

$$J_x = 158,6235 \text{ cm}^4$$

$$W_x = 25,379 \text{ cm}^3$$

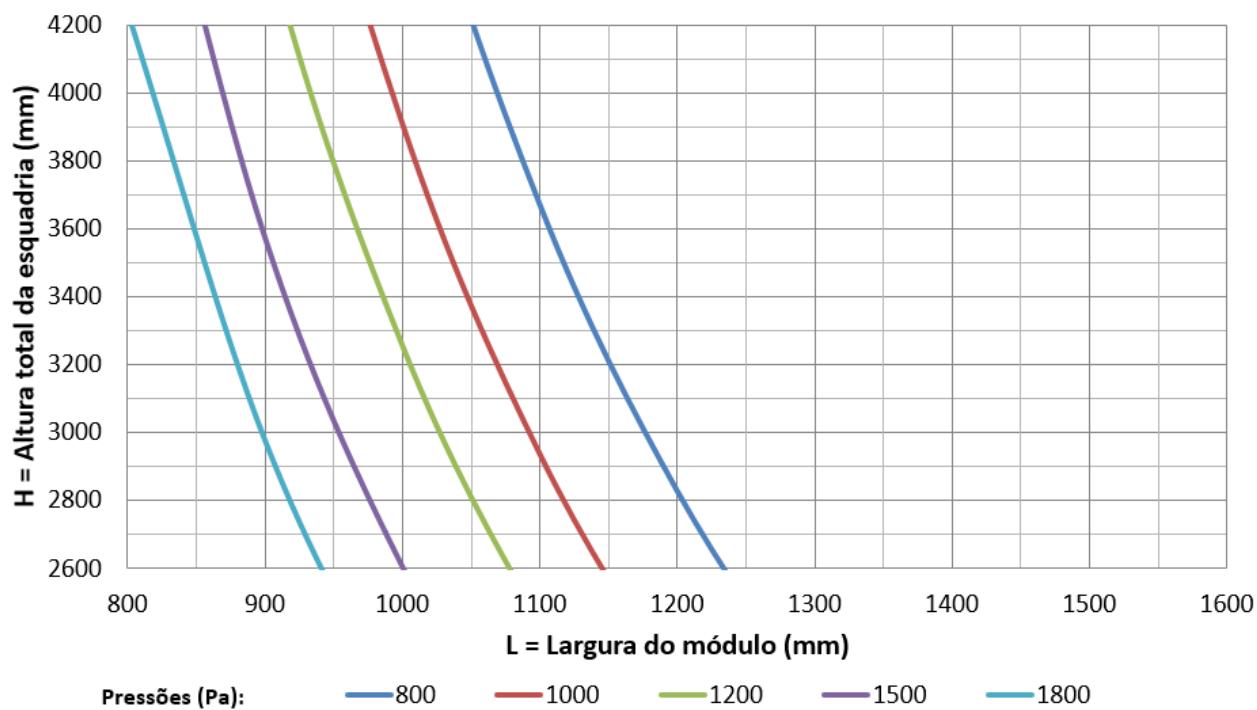


## Travessa

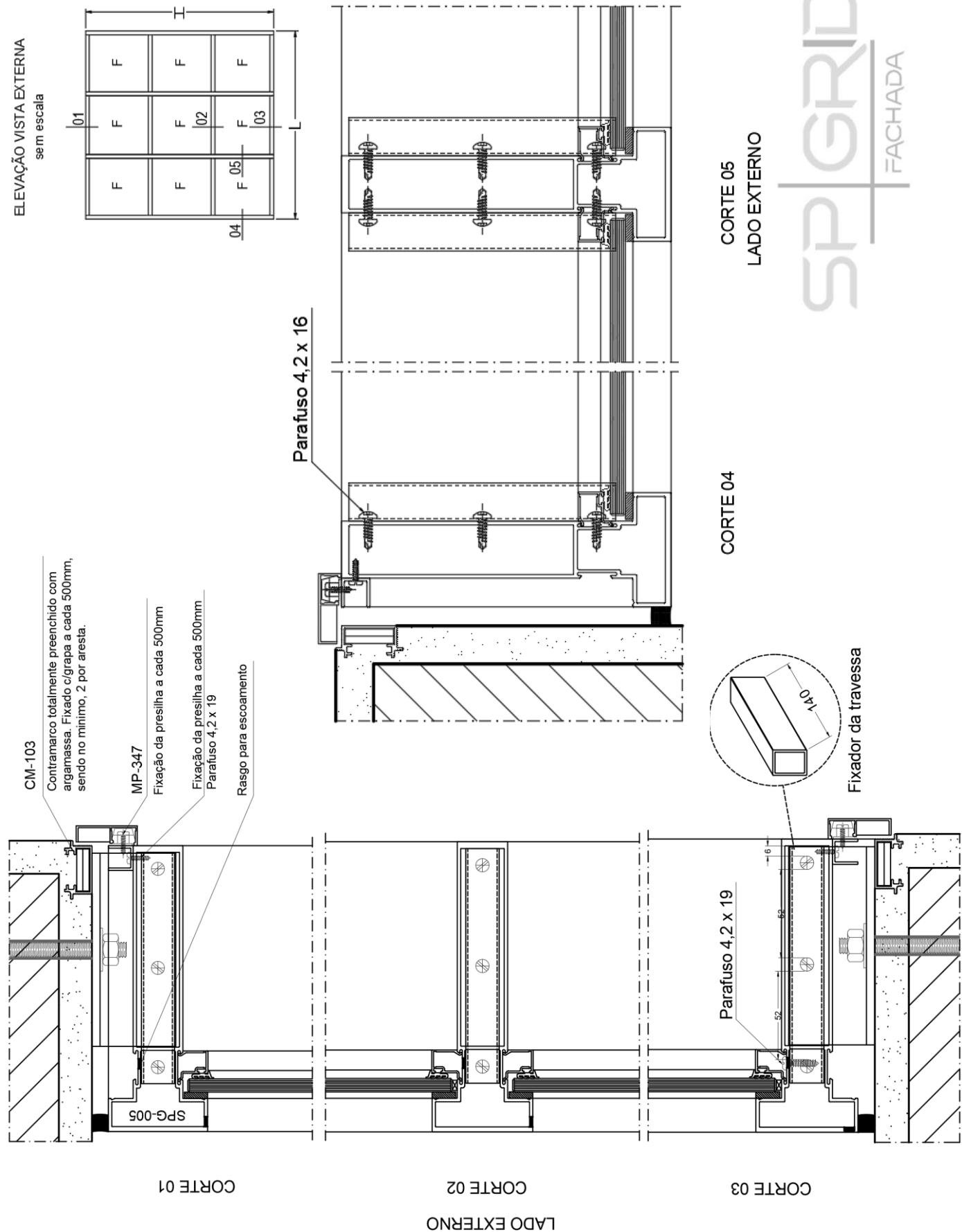


**SPG-6201**

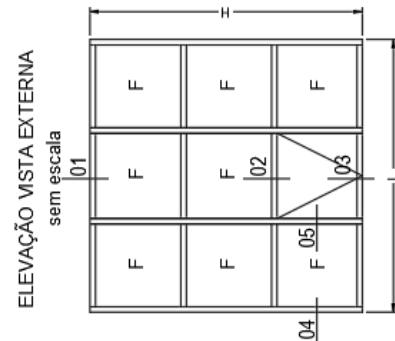
$$J_y = 12,9660 \text{ cm}^4$$
$$W_y = 4,986 \text{ cm}^3$$



## Fachada Simples com “n” módulos



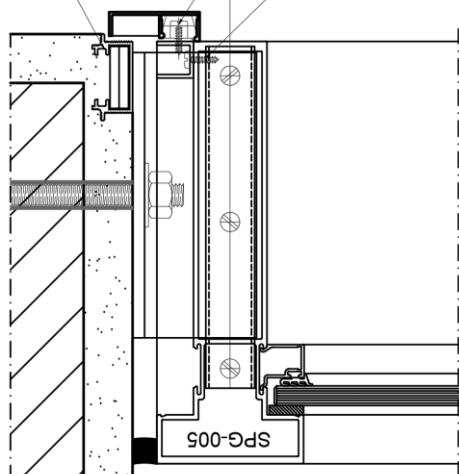
Fachada Simples com Maxim-ar  
Inferior com Baguete



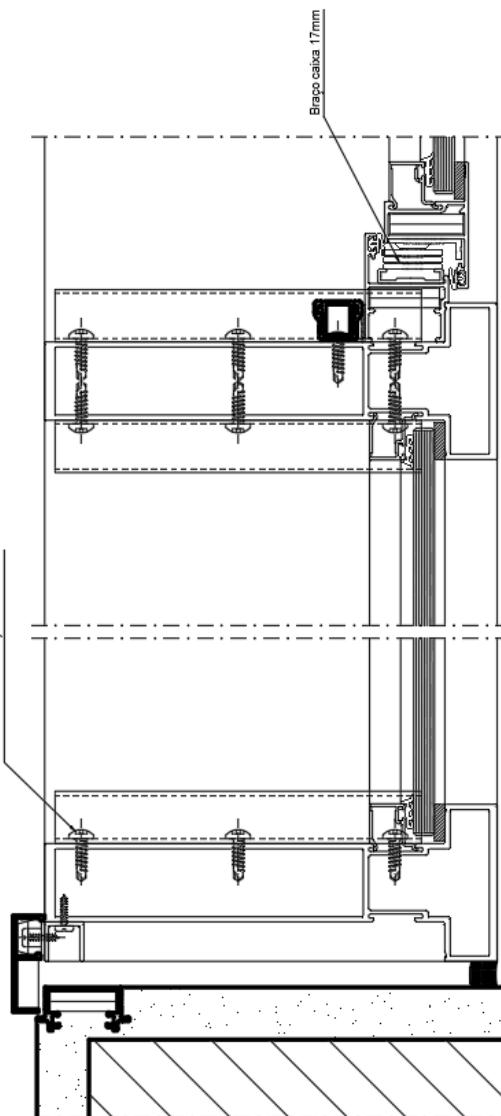
CM-103  
Contamarcos totalmente preenchido com argamassa. Fixado cígrapa a cada 500mm, sendo no mínimo, 2 por aresta.

MP-347  
Fixação da presilha a cada 500mm

Fixação da presilha a cada 500mm  
Parafuso 4,2 x 19

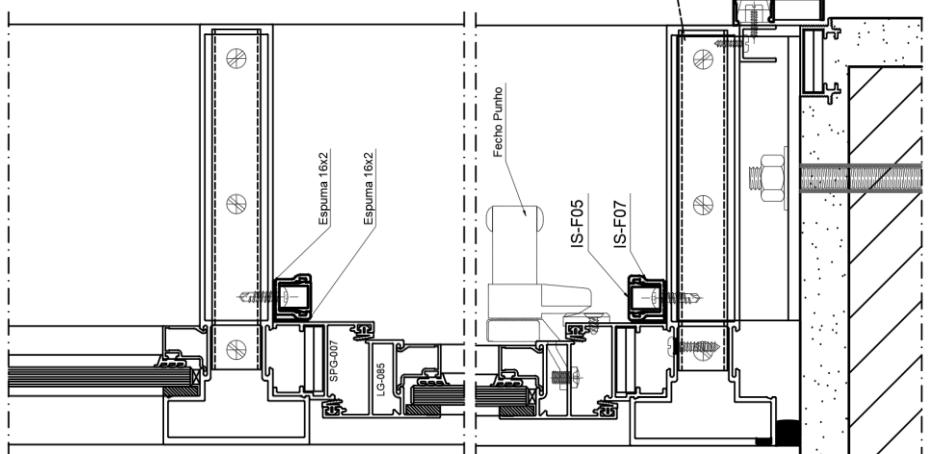
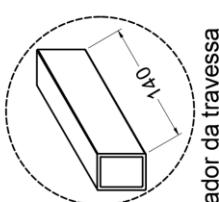


Parafuso 4,2 x 16



CORTE 03  
LADO EXTERNO

CORTE 04



LADO EXTERNO

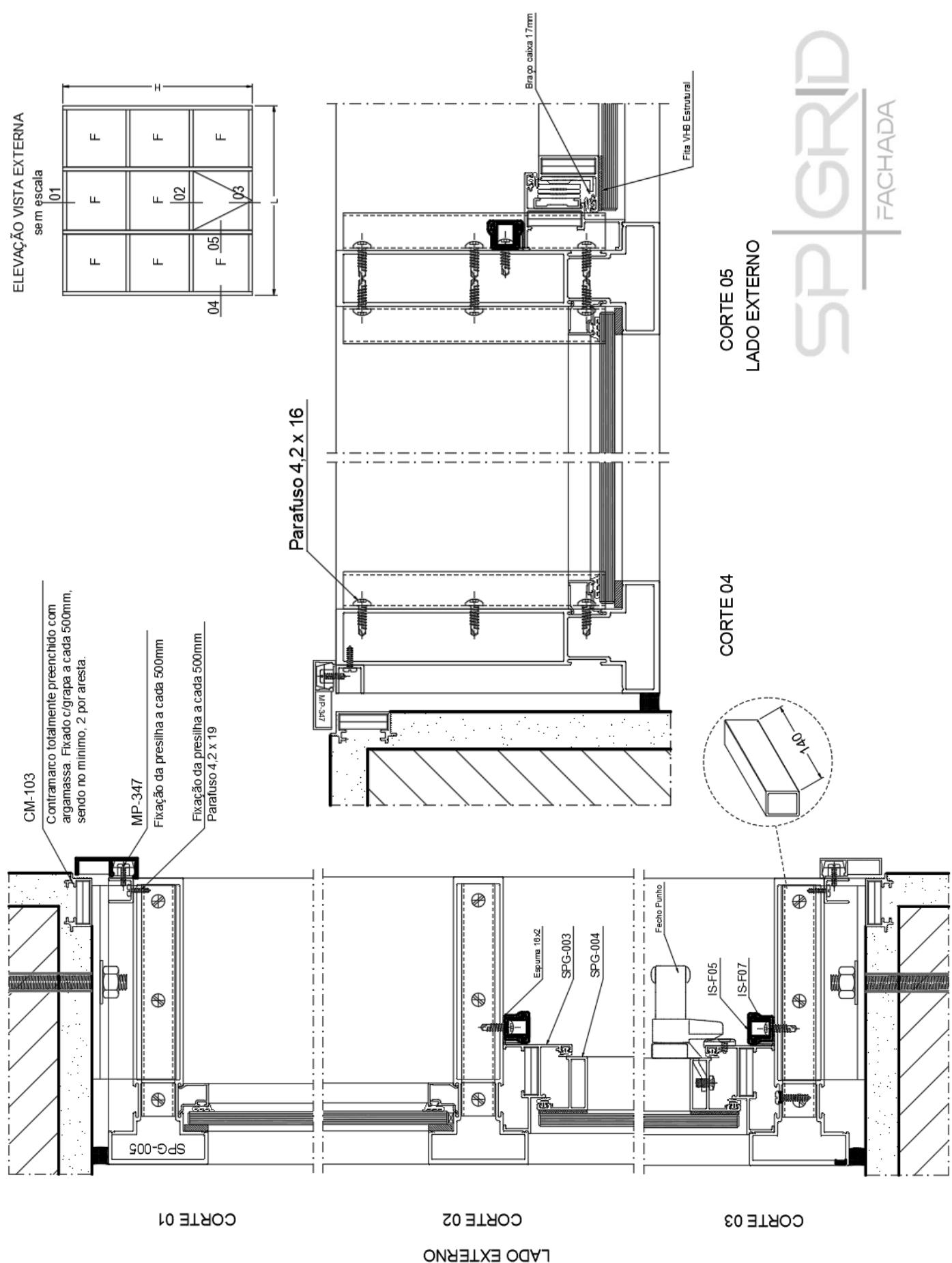
CORTE 03

CORTE 05  
LADO EXTERNO

SP GRID

FACHADA

Fachada Simples com Maxim-ar Inferior com  
vidro colado sem Baguete



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