

FRENTE INTEGRAL

M ALU
WIND
Aluminio Extruido

Desarrollos únicos que son tendencia



FRENTE INTEGRAL
MANUAL TÉCNICO



 (0351)695 7920

 aluwind.com.ar

   AluwindSA

 Av. Japón 550 - Córdoba, Argentina



CÓDIGO	DESCRIPCIÓN	PESO Kg/m	FORMA	L. Std.
AW 5374	Columna simple	1,150		6,03
AW 5378	Tapa columna simple	0,357		6,03
AW 5379	Soporte tapa	0,412		6,03
AW 2776	Columna 100 mm	1,675		6,03
AW 7696	Columna 120 mm	2,049		6,03
AW 7697	Columna 170 mm	3,149		6,03
AW 800	Marco para ventana desplazable	0,888		6,03
AW 5261	Hoja de ventana desplazable	0,557		6,03
AW 832	Columna de esquina a 90°	2,468		6,03
AW 997	Adaptador DVH	0,503		6,03
AW 833	Escuadra Frente Integral	1,769		6,03
AW 834	Soporte frente a losa	2,119		6,03

FRENTE INTEGRAL **SLIM 45**

AW 5474	Columna 60 mm	1,236		6,03
AW 5476	Columna 100 mm	1,554		6,03

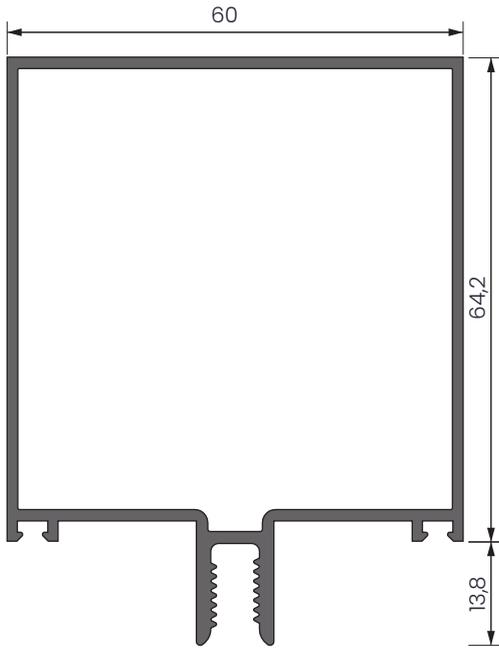
Tolerancia en peso ± 10%

*L. Std: Largo Standard

CÓDIGO	DESCRIPCIÓN	PESO Kg/m	FORMA	L. Std.
AW 5478	Tapa	0,287		6,03
AW 5479	Soporte de tapa	0,342		6,03
AW 5997	Adaptador DVH	0,388		6,03
AW 5995	Soporte Frente a Losa	1,998		6,03
AW 5996	Escuadra SLIM45	1,558		6,03
AW 5480	Columna de esquina a 90°	2,161		6,03
AW 5481	Refuerzo Interno	1,458		6,03
AW 5482	Refuerzo Interno	1,889		6,03

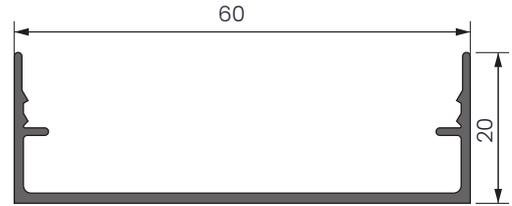
Tolerancia en peso ± 10%

*L. Std: Largo Standard



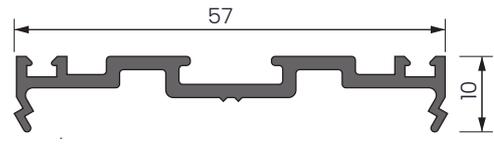
AW 5374

Columna de 60 mm.
1.150Kg/m. Largo 6,03m



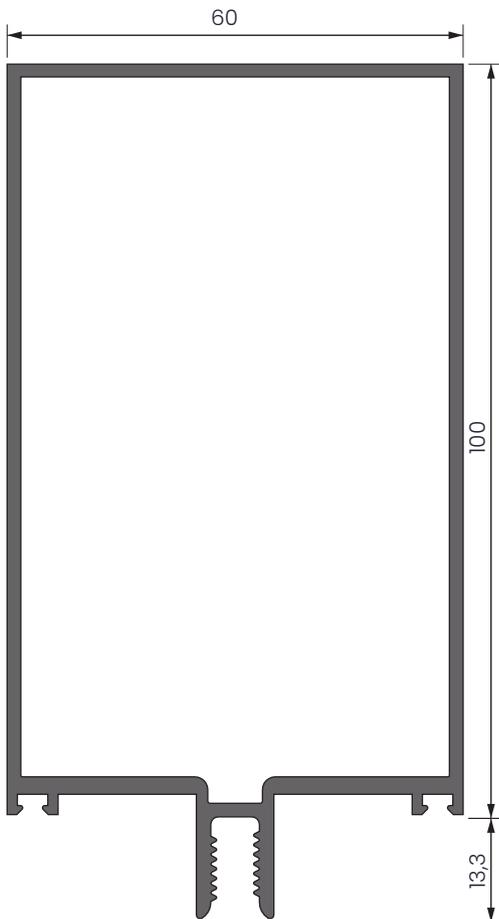
AW 5378

Tapa de columna.
0,357Kg/m. Largo 6,03m



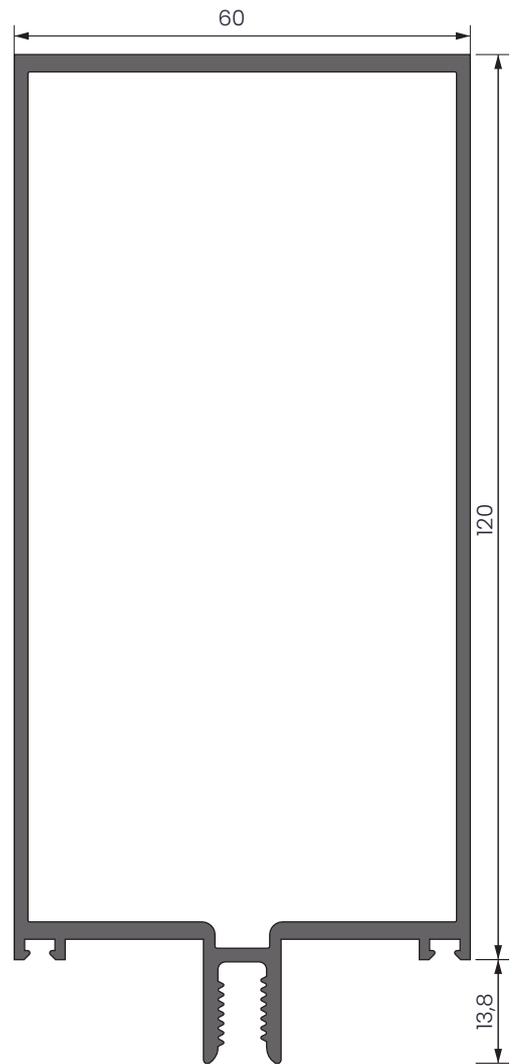
AW 5379

Prensa de tapa. 0,412 Kg/m.
Largo 6,03m



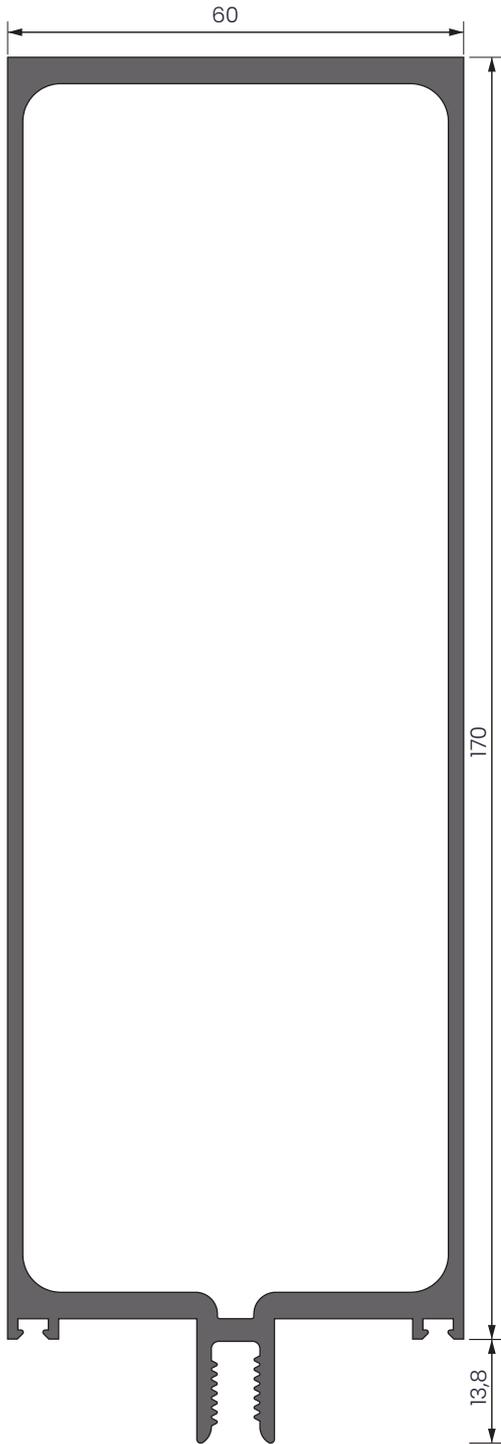
AW 2276

Columna de 100 mm.
1.675 Kg/m. Largo 6,03m



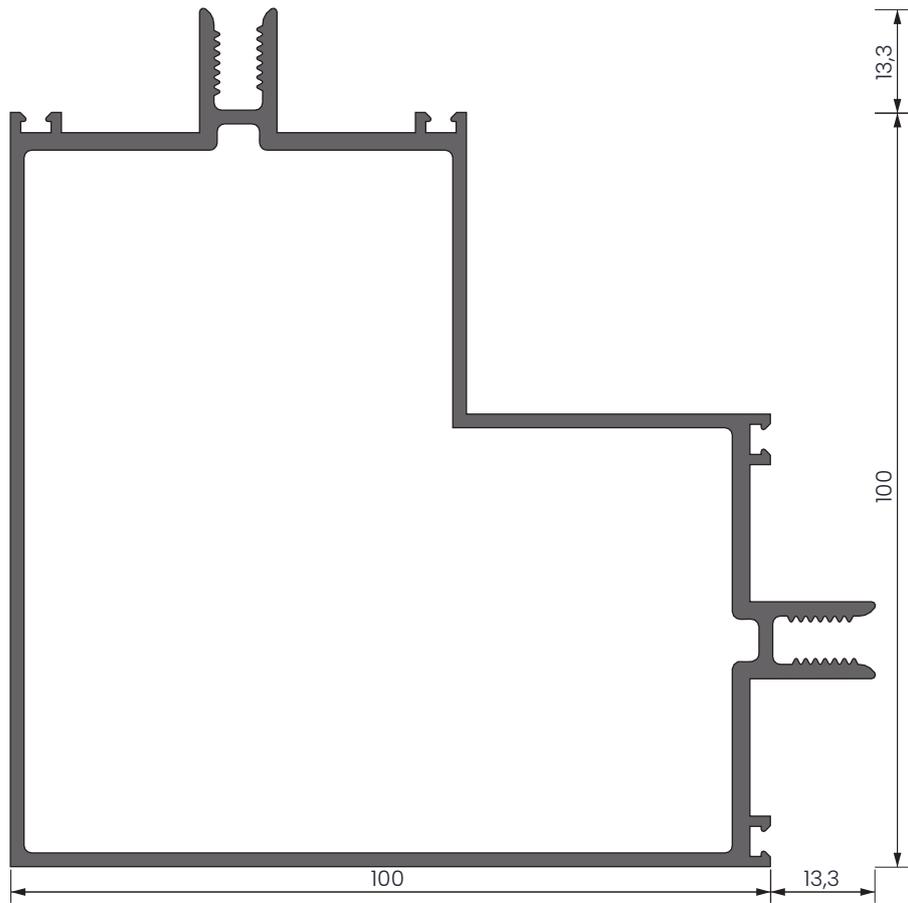
AW 7696

Columna de 120 mm.
2,049 Kg/m. Largo 6,03m



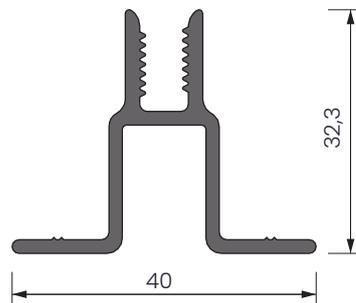
AW 7697

Columna de 170 mm.
3,149 Kg/m. Largo 6,03m



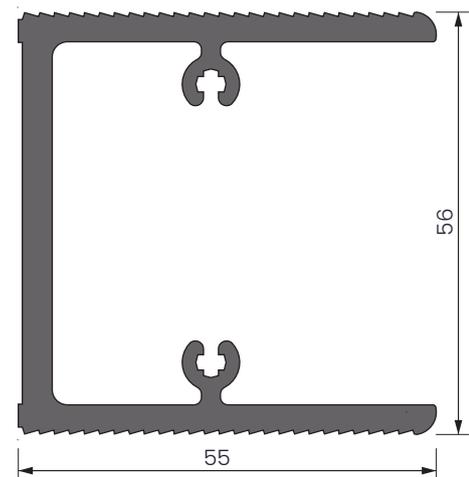
AW 832

Columna de esquina a a 90°.
2,468Kg/m. Largo 6,03m



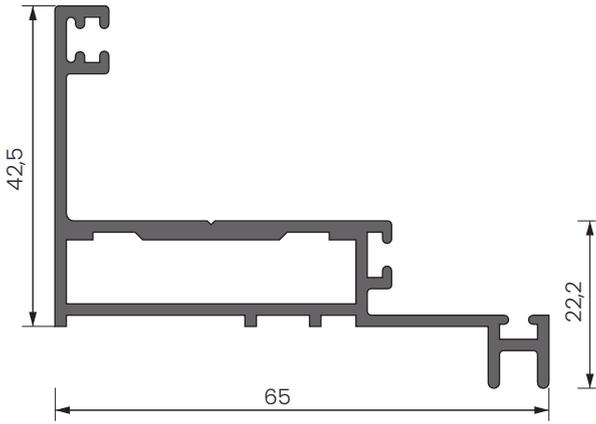
AW 997

Adaptador PARA DVH.
0,503Kg/m. Largo 6,03m



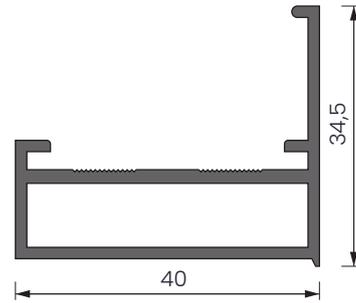
AW 833

Escuadra . 1,769Kg/m.
Largo 6,03m



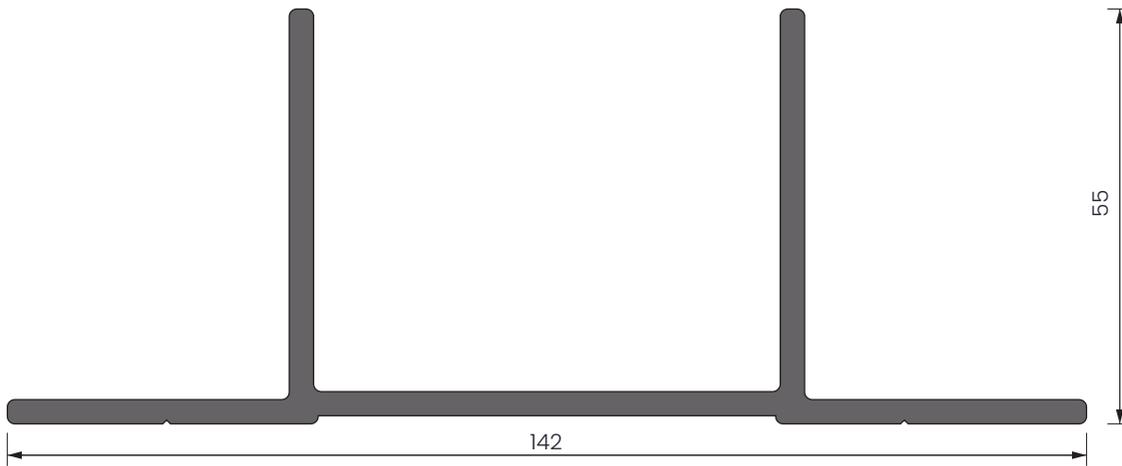
AW 800

Marco para ventana deslizable
0,888Kg/m. Largo 6,03m



AW 5261

Hoja de ventana deslizable
0,557Kg/m. Largo 6,03m



AW 834

Soporte frente a losa.
2,119Kg/m. Largo 6,03m

ACRISTALAMIENTO

Cubierta mecánica del borde M y la holgura del borde AA para varios espesores de vidrio con el panel mas grueso E

*Dimensiones expresadas en milímetros (mm).

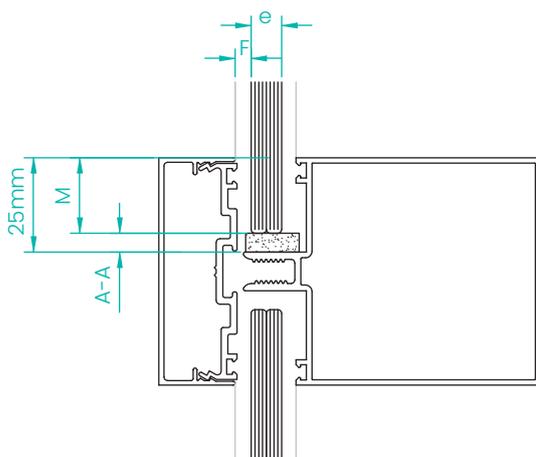
L: lado mas largo del panel de vidrio	E < 6		6 < E ≤ 8		8 < E ≤ 12		12 < E ≤ 15		15 < E ≤ 25	
	M	A-A	M	A-A	M	A-A	M	A-A	M	A-A
L = 1 m	6	3	6	3	7	3	7	4	8	4
1 m < L = 2 m	7	4	7	4	8	4	8	4	10	4
2 m < L = 4,5 m	10	5	10	5	11	5	11	5	12	5
4,5 m < L = 6 m	10	6	10	6	11	6	11	6	12	6

*En paneles mayores a 6 revisar los cálculos con ingeniero.

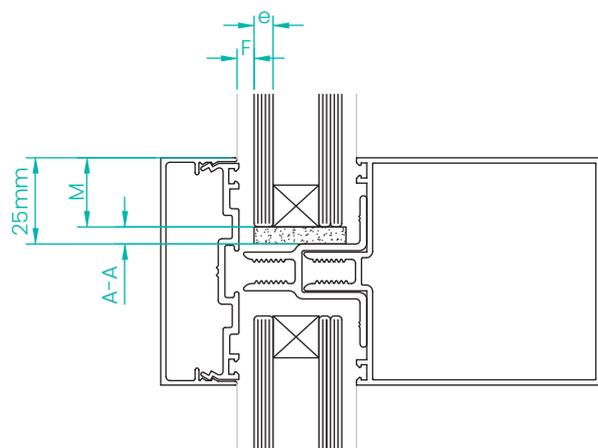
*Los valores de holgura del corte A-A consideran las tolerancias del corte del vidrio.

* La tabla no aplica para instalaciones de vidrios inclinados.

*Cuando la hoja que contiene al vidrio está perforada para drenajes, la holgura del borde A-A debe ser mayor a 6mm.

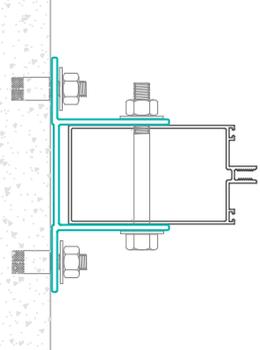
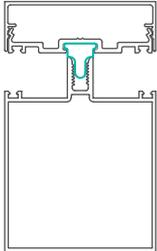
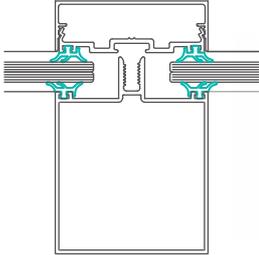
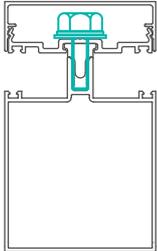
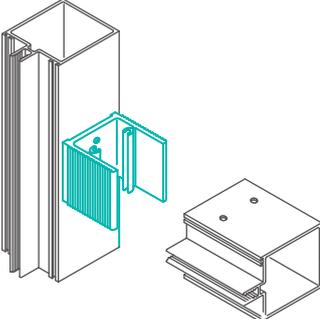


VIDRIO SIMPLE

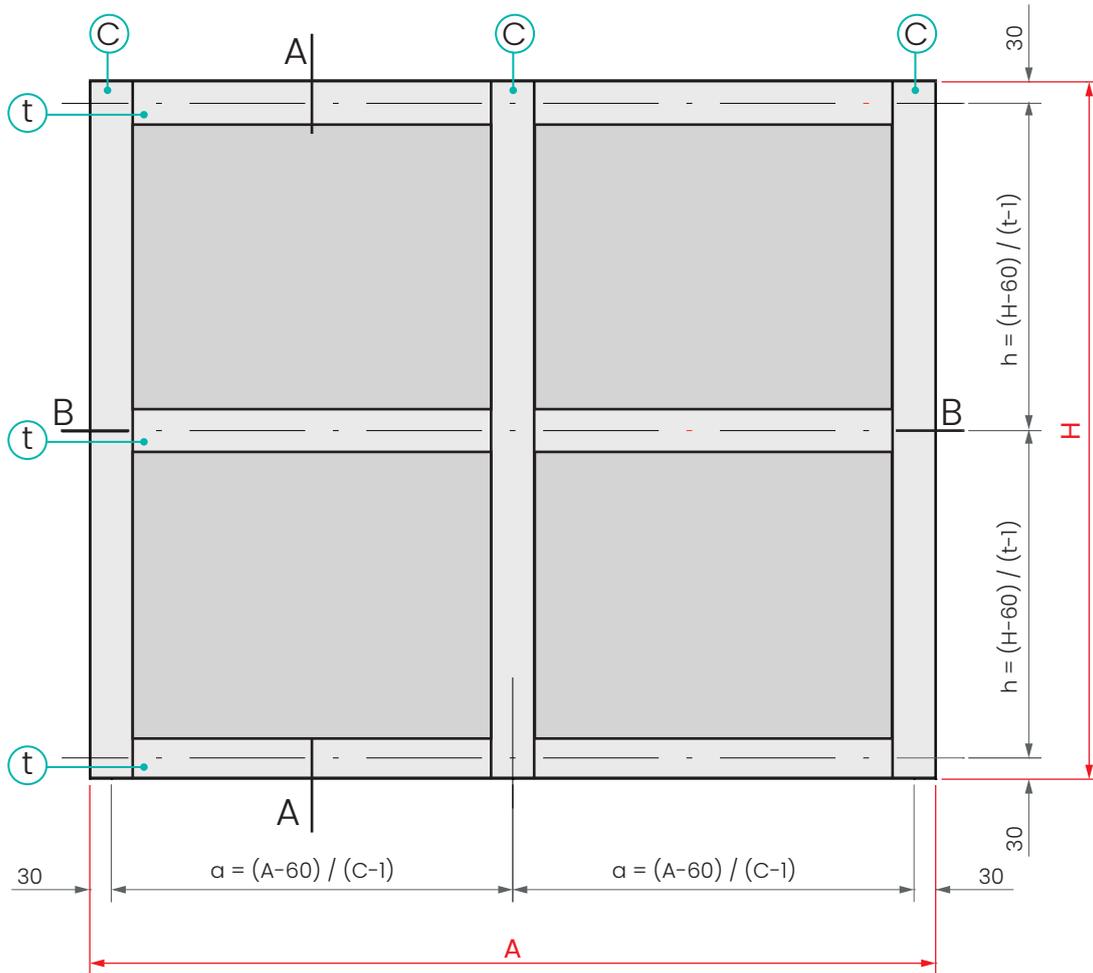


DOBLE VIDRIADO HERMETICO

ACCESORIOS STANDARD

DESCRIPCION	APLICACION	IMAGEN
Anclaje para frente a losa cod. FI01		 <p>ALUWIND PEDIDOS WEB!</p>
Burlete separador de columna COD. B58		
Burlete de acristalamiento COD. B37		
Bulón rosca w 1/4"		
Escuadra de armado cod. FI02		 <p>ALUWIND PEDIDOS WEB!</p>

DESCUENTOS



C = Cantidad de columnas

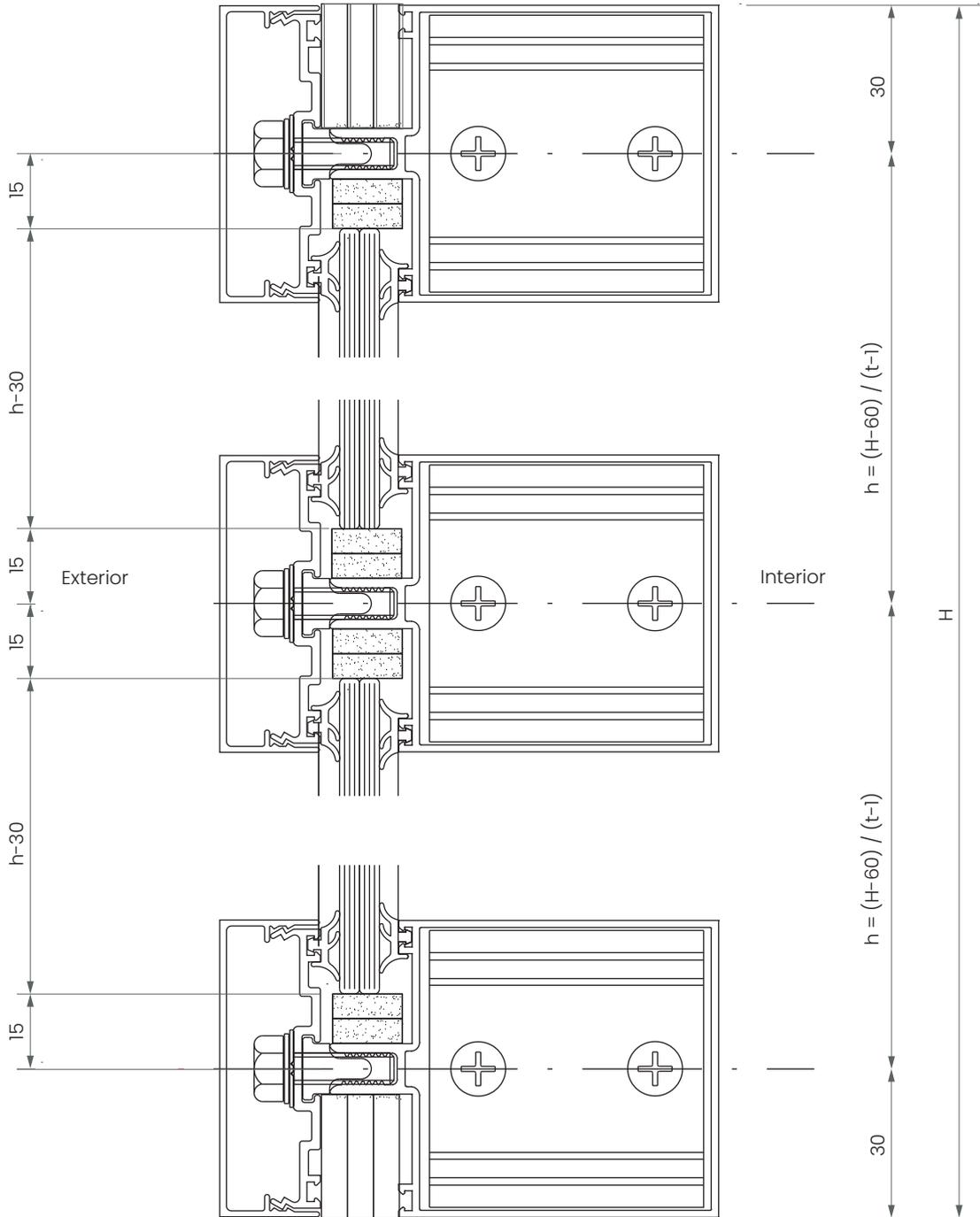
t = Cantidad de ejes horizontales

Descuentos en perfiles

CANT.	PERFIL	MEDIDA	DESCRIPCIÓN	CORTE
C	AW 5374 AW 2776 AW 7696 AW 7697	H	Columna de frente integral	90-90
(C-1) x t	AW 5374 AW 2776 AW 7696 AW 7697	a - 60	Travesaño de frente integral	90-90
N	AW 997	H	Adaptador para DVH	90-90
(C-1) x t	AW 997	a - 60	Adaptador para DVH	90-90
(C-1) x t	AW 5379	a - 60	Prensa de tapa	90-90
C x (t-1)	AW 5379	h - 5	Prensa de tapa	90-90
(C-1) x t	AW 5378	a - 60	Tapa	90-90
C	AW 5378	H	Tapa	90-90

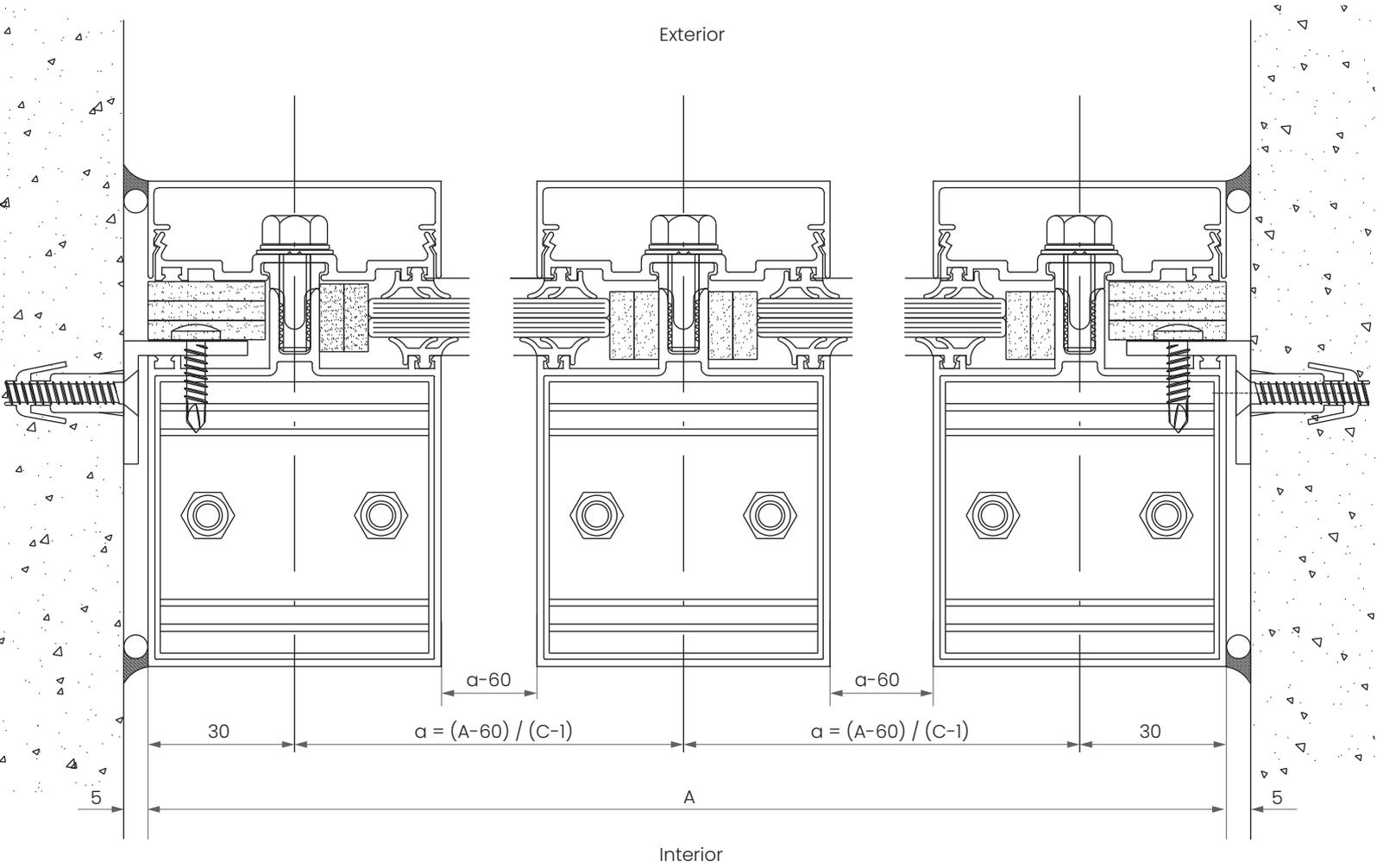
CORTE A-A

t = Cantidad de ejes horizontales

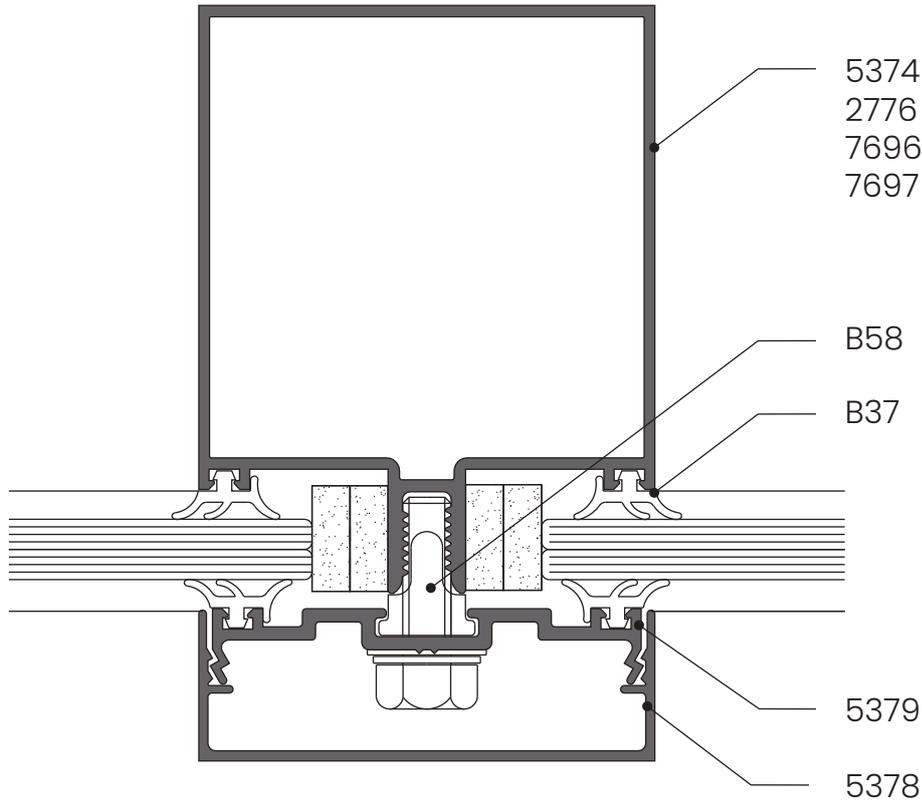


CORTE B-B

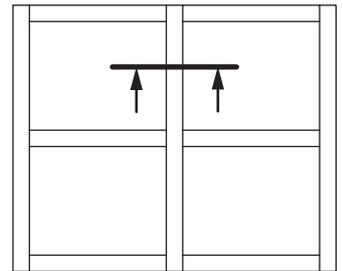
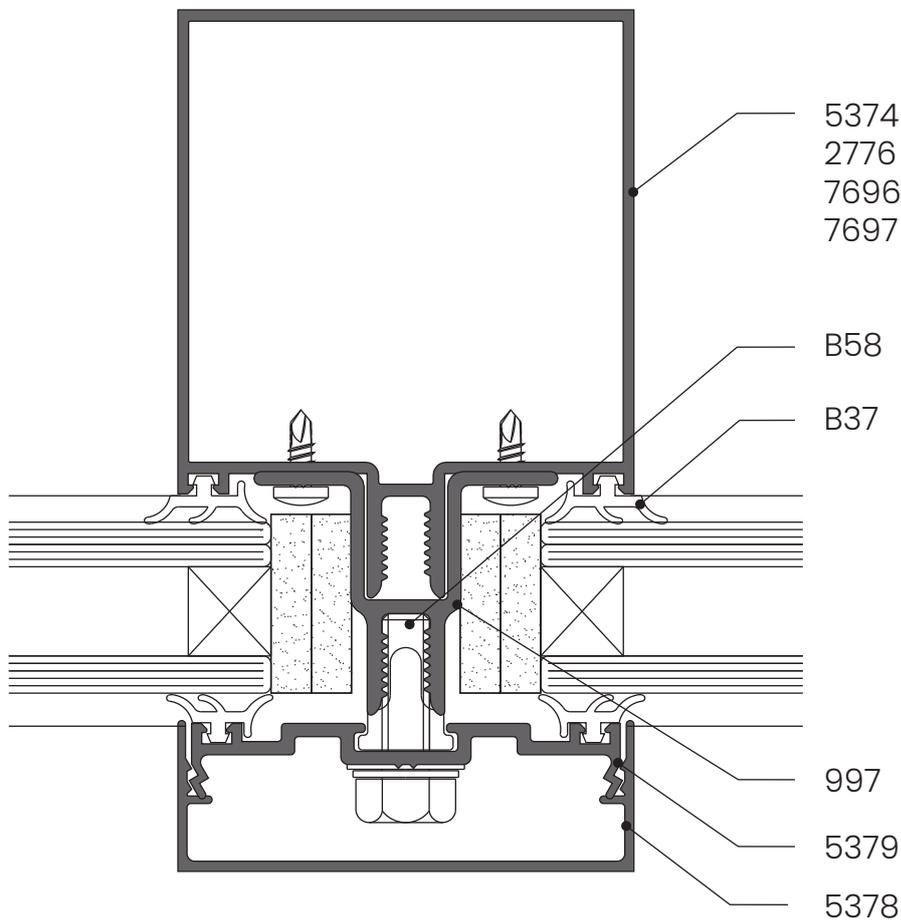
C = Cantidad de columnas



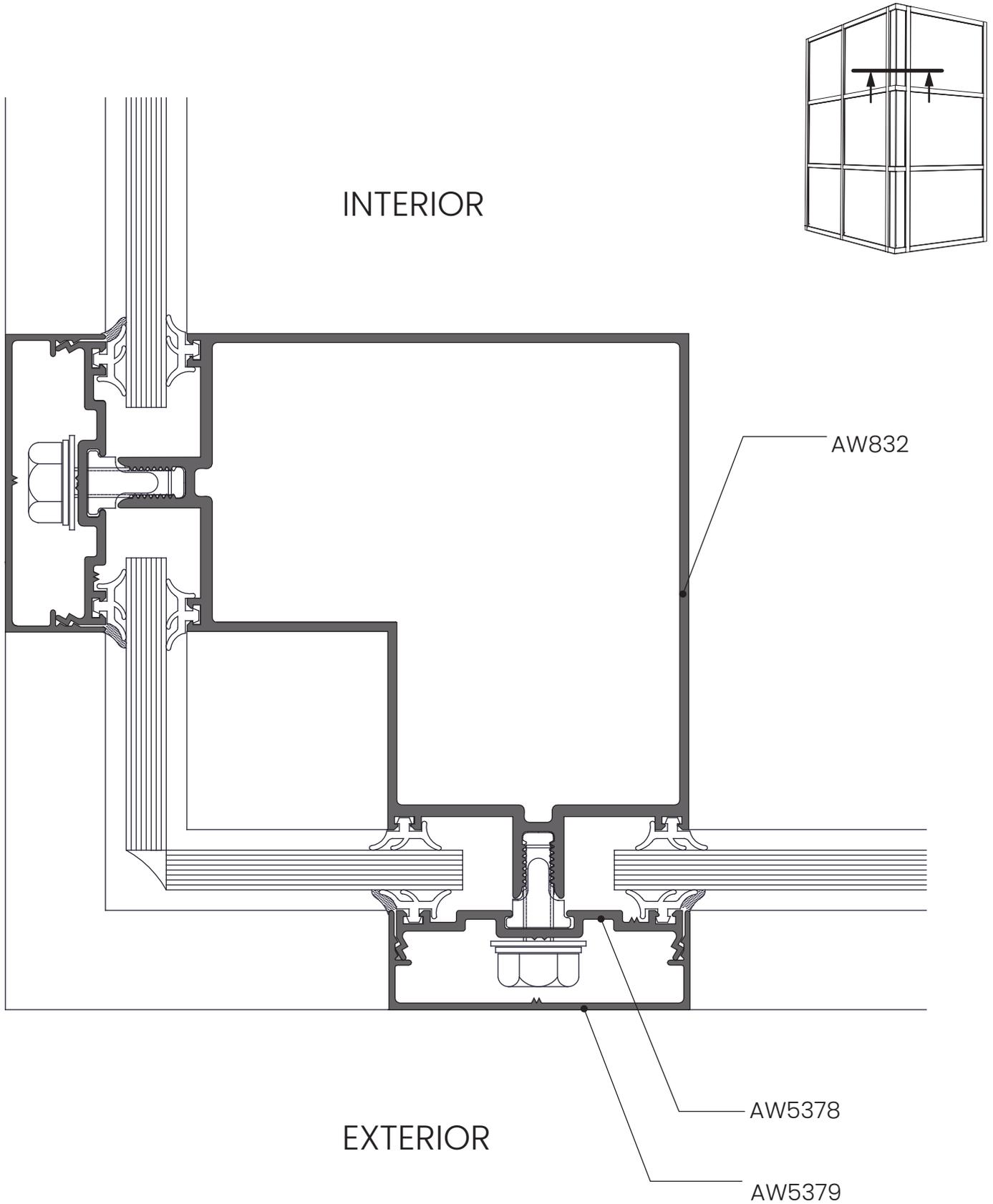
Detalle Vidrio simple



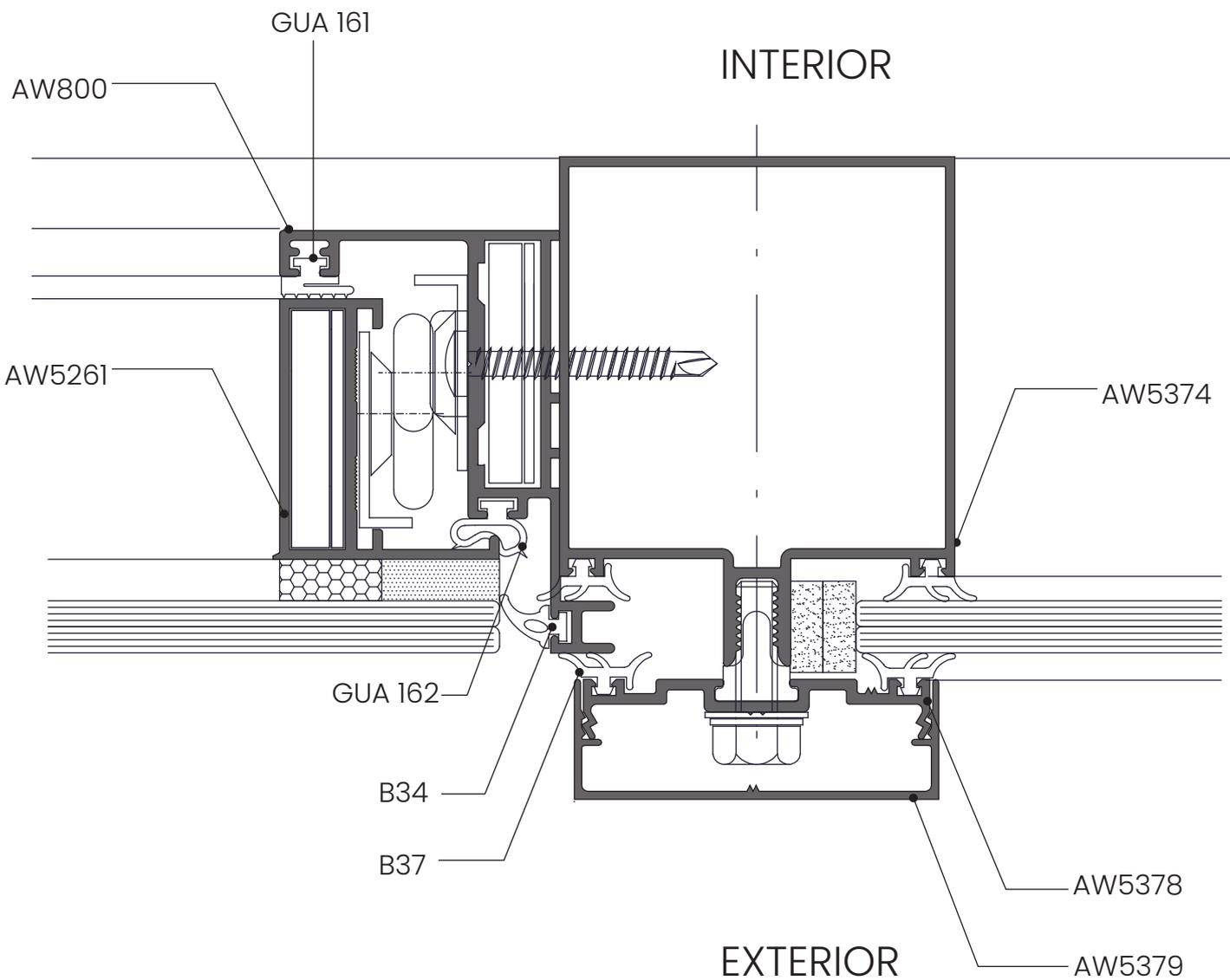
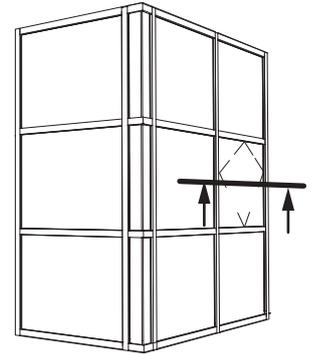
Detalle DVH



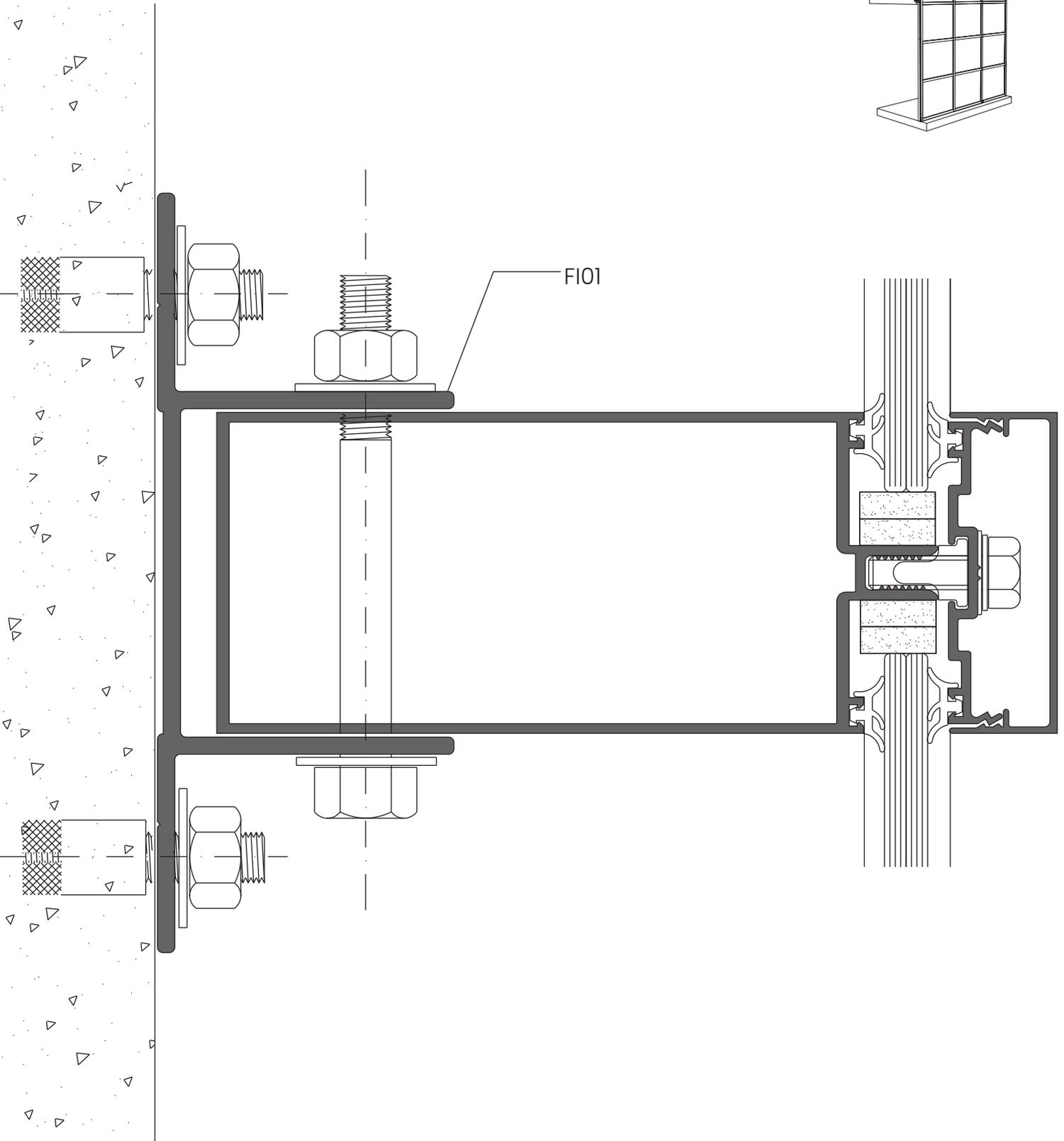
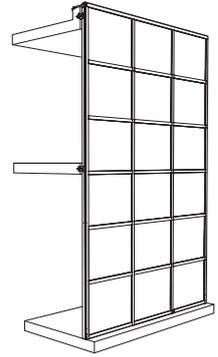
Detalle cierre con columna



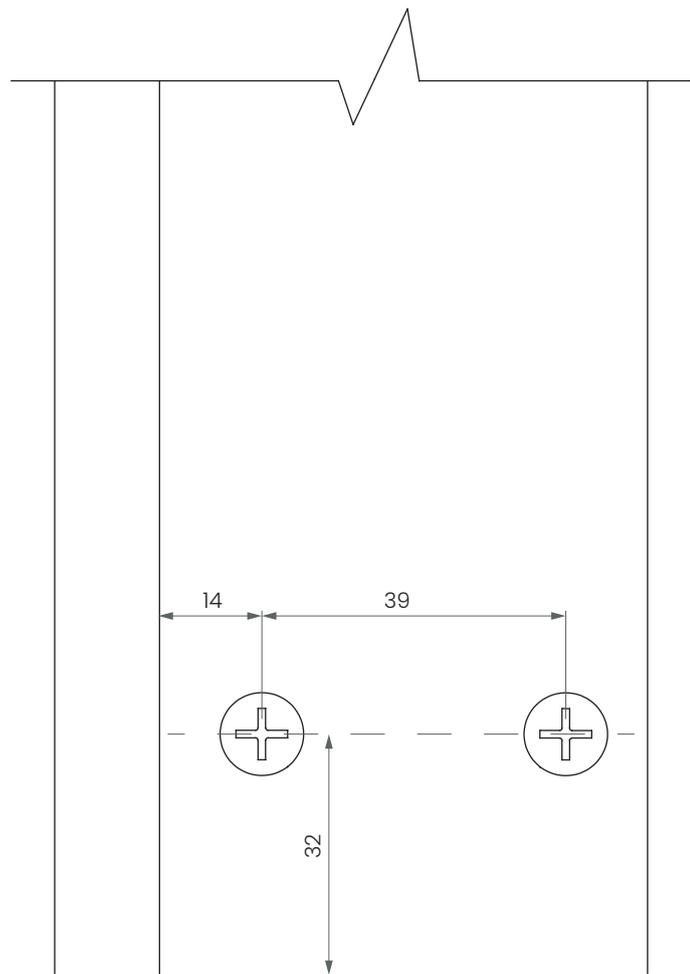
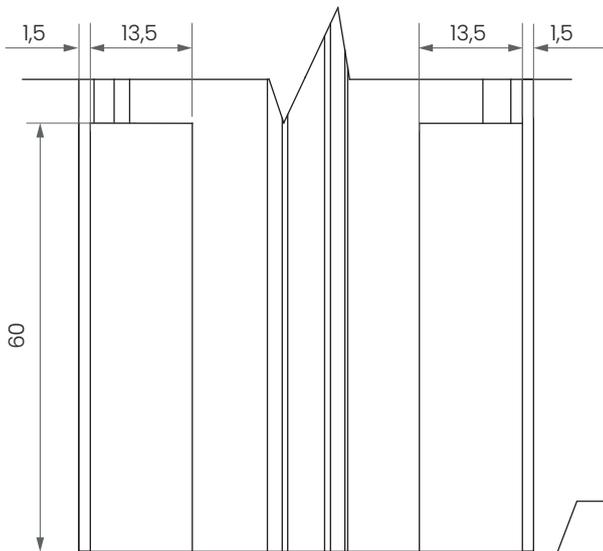
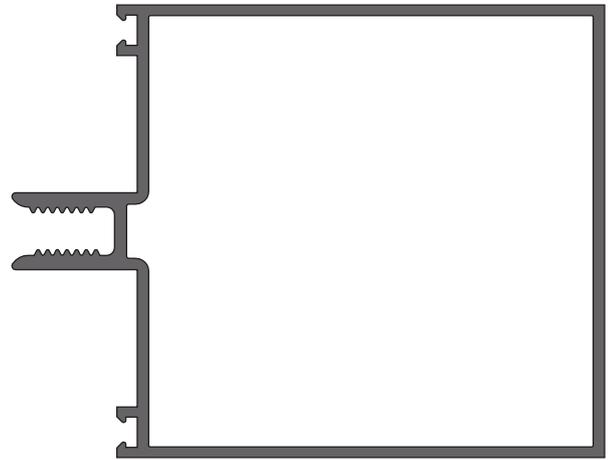
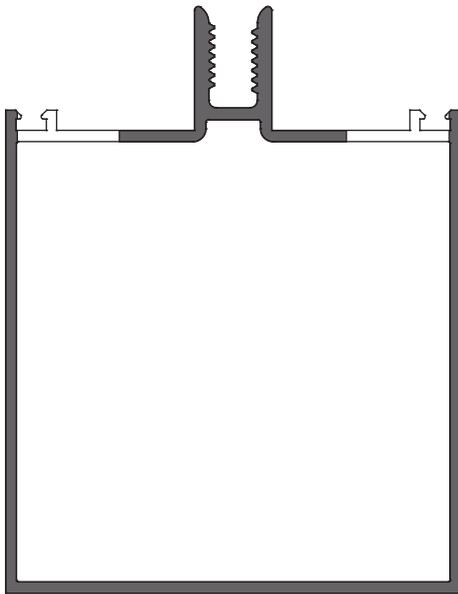
Detalle con ventana desplazable



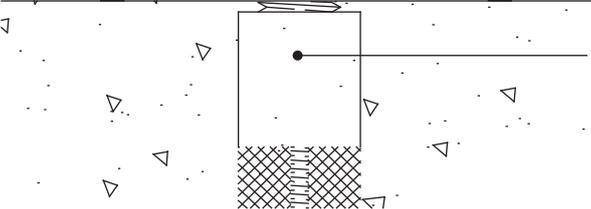
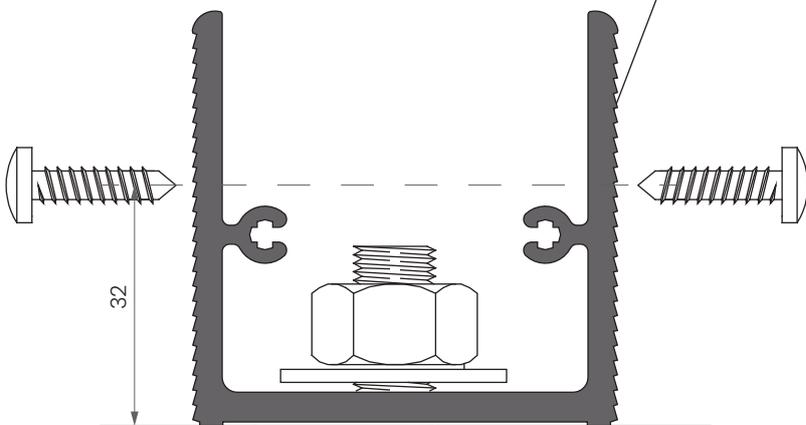
Detalle con soporte frente a losa FI01



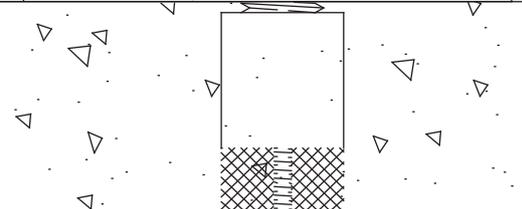
Detalle de sujecion con FI02



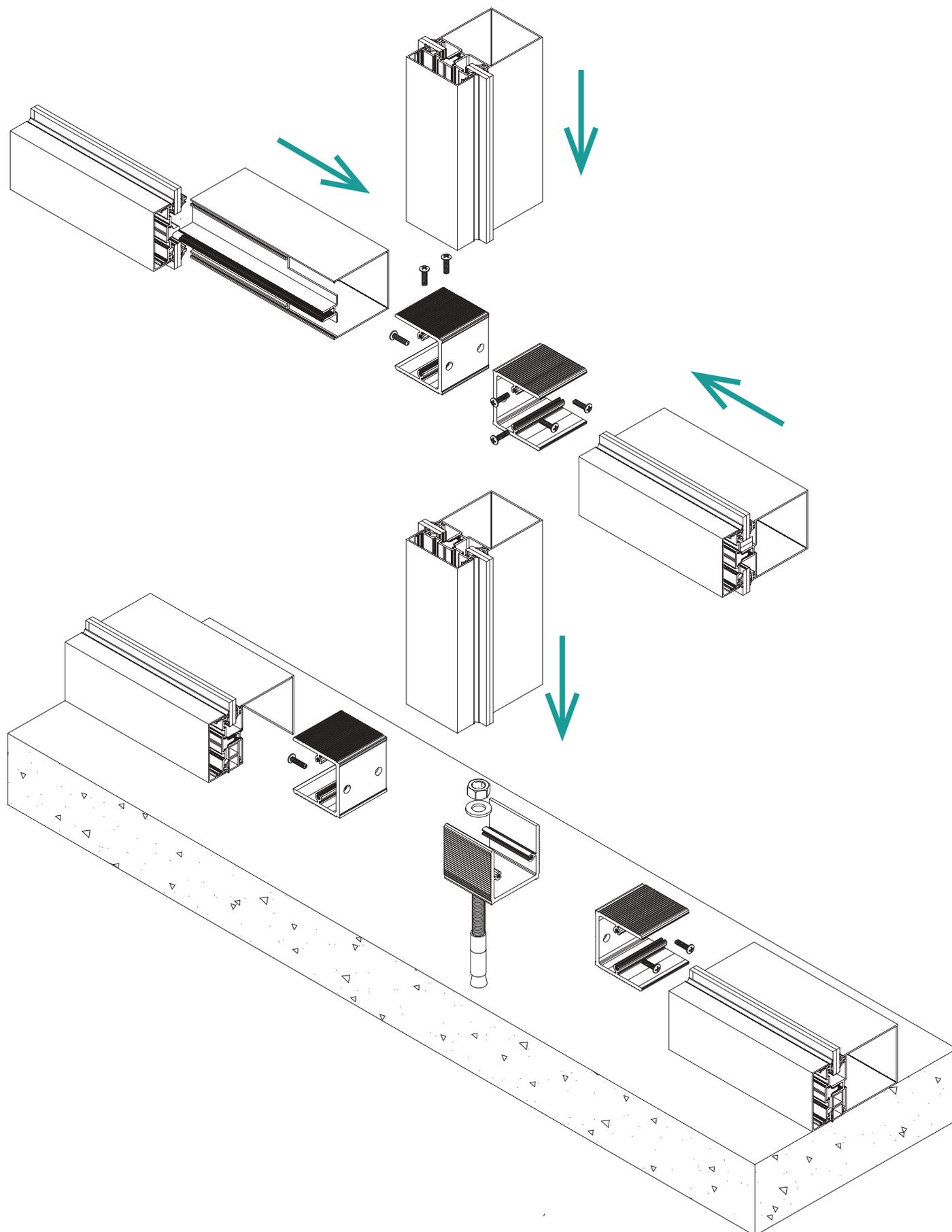
FI02



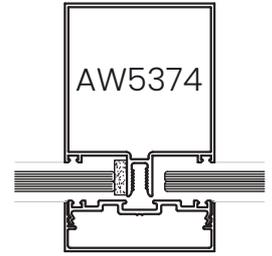
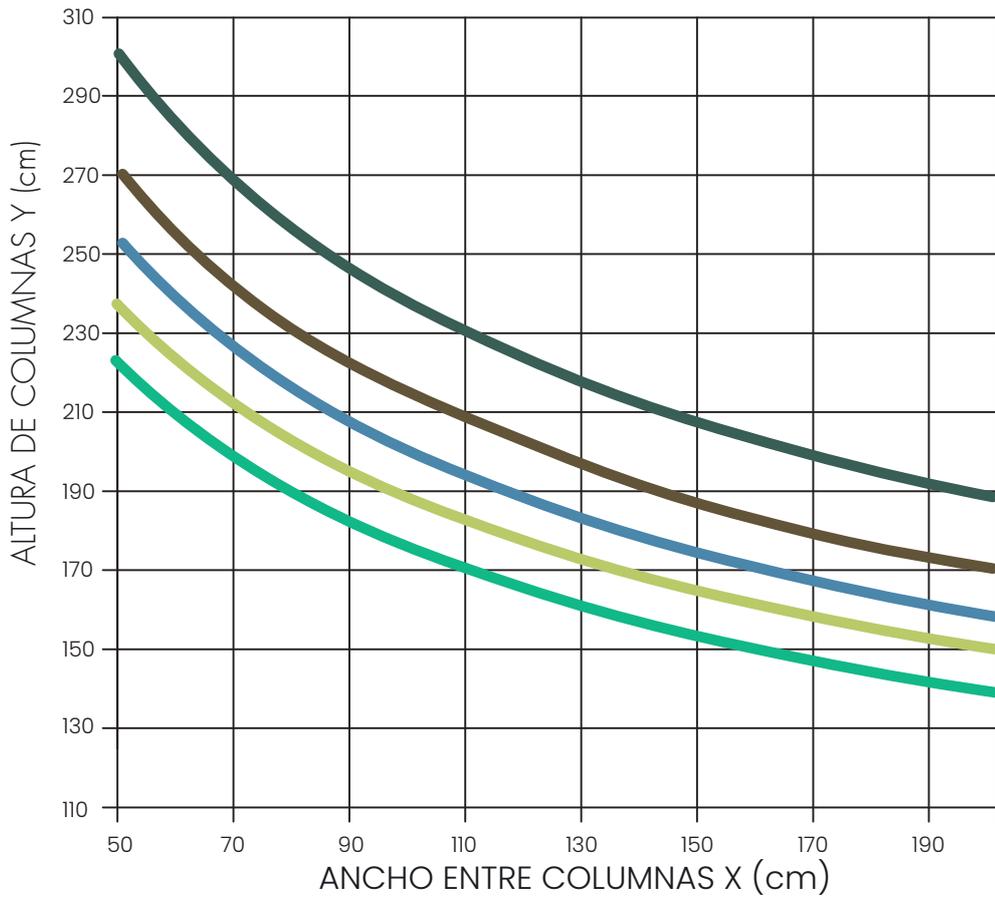
Broca con prisionero
diametro 9,5 x 80 mm
con tuerca y arandela
de acero inoxidable
cincado



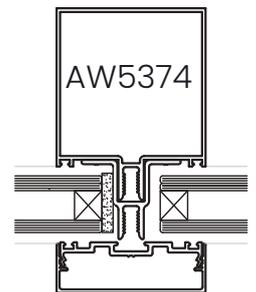
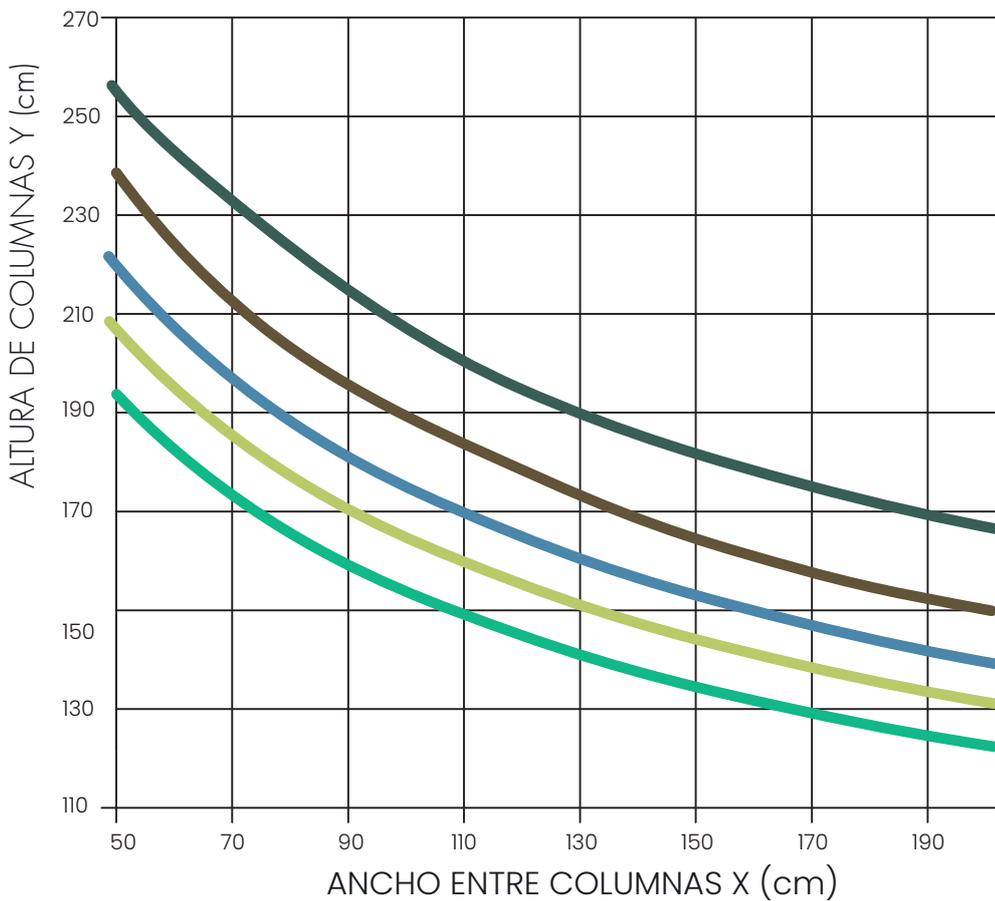
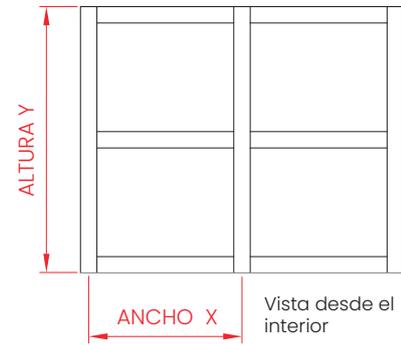
ESQUEMA DE ARMADO



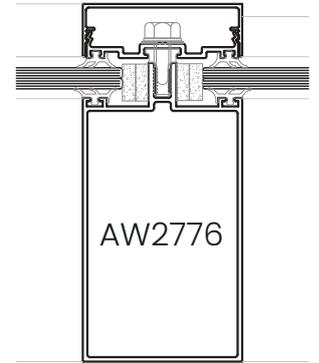
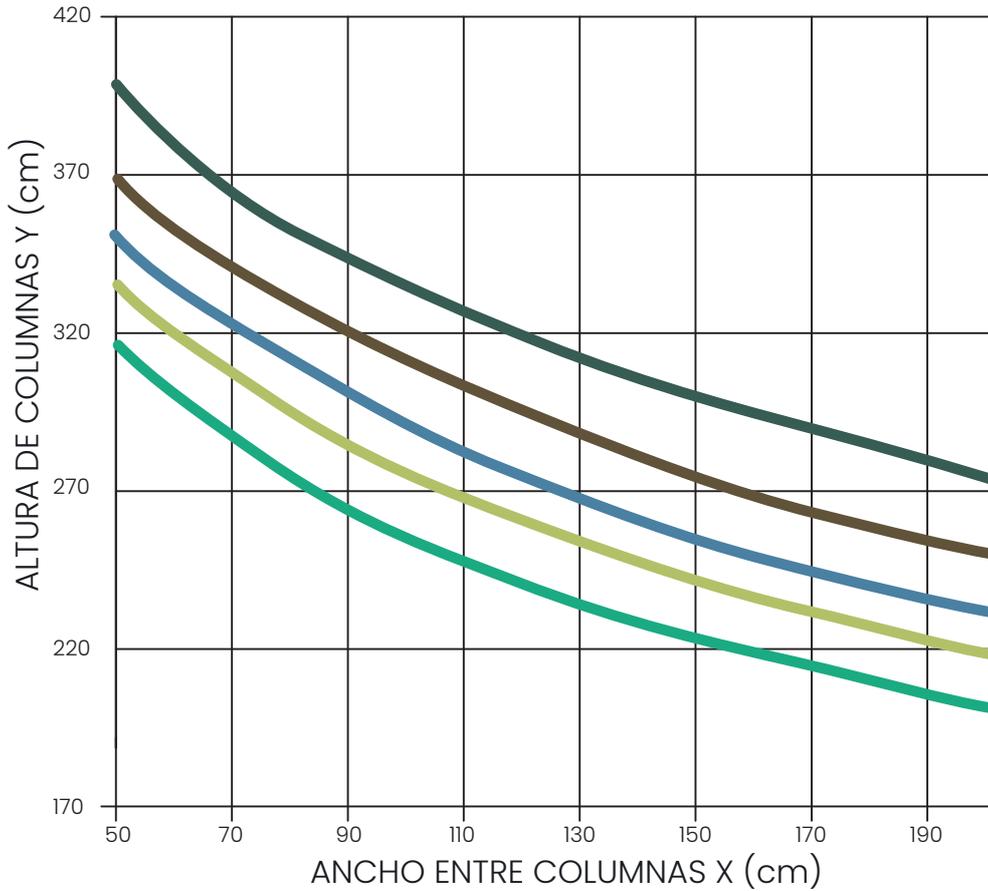
Limites dimensionales



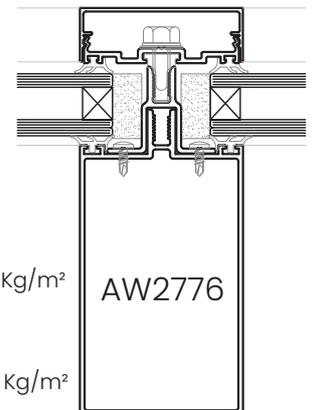
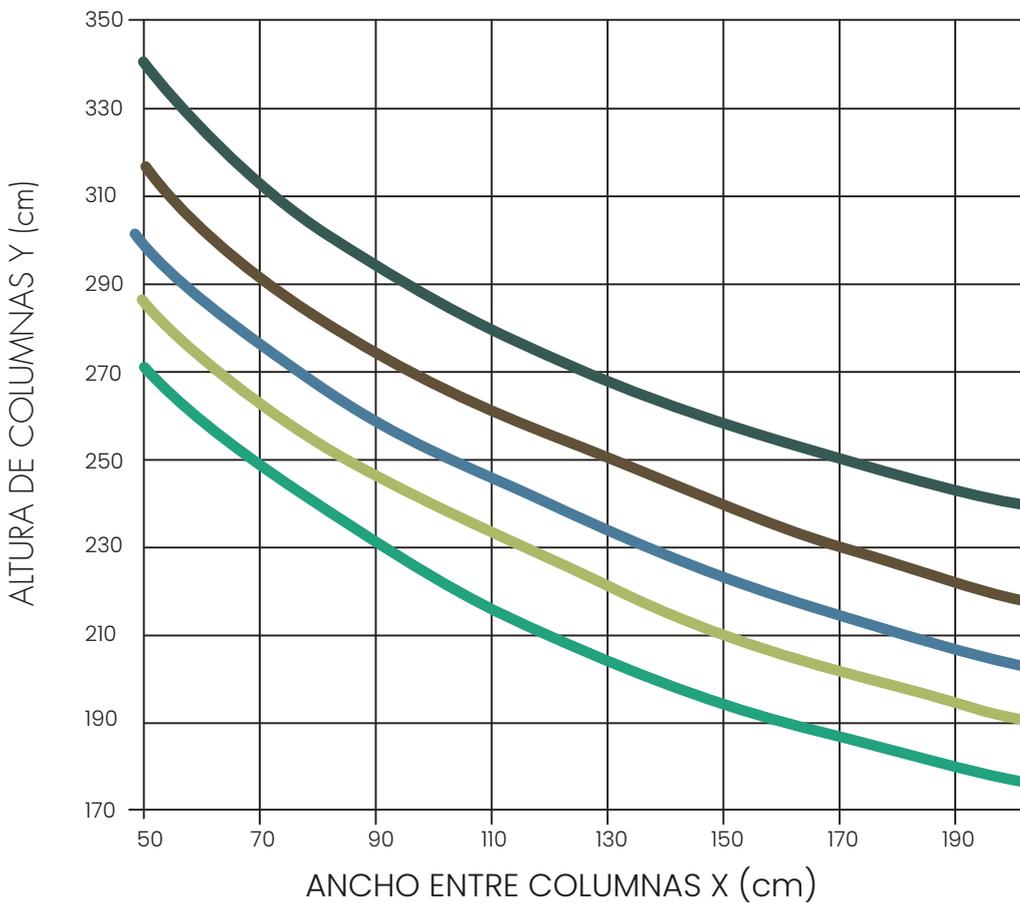
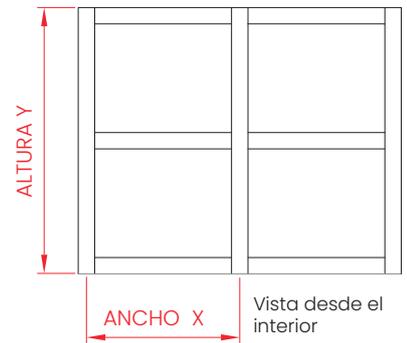
- 60 Kg/m²
- 80 Kg/m²
- 100 Kg/m²
- 120 Kg/m²
- 150 Kg/m²



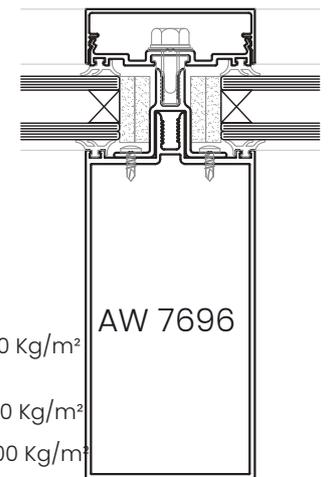
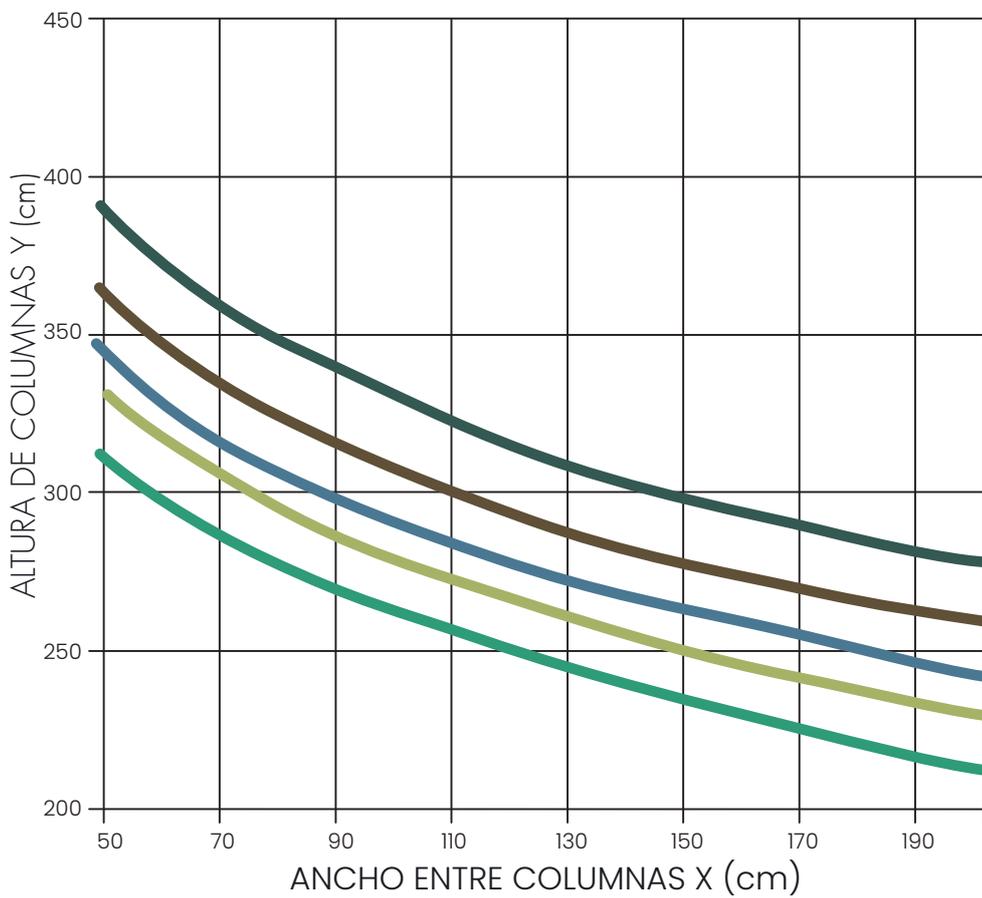
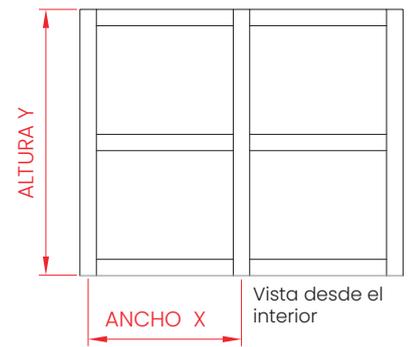
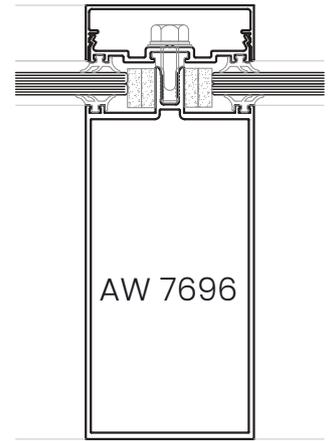
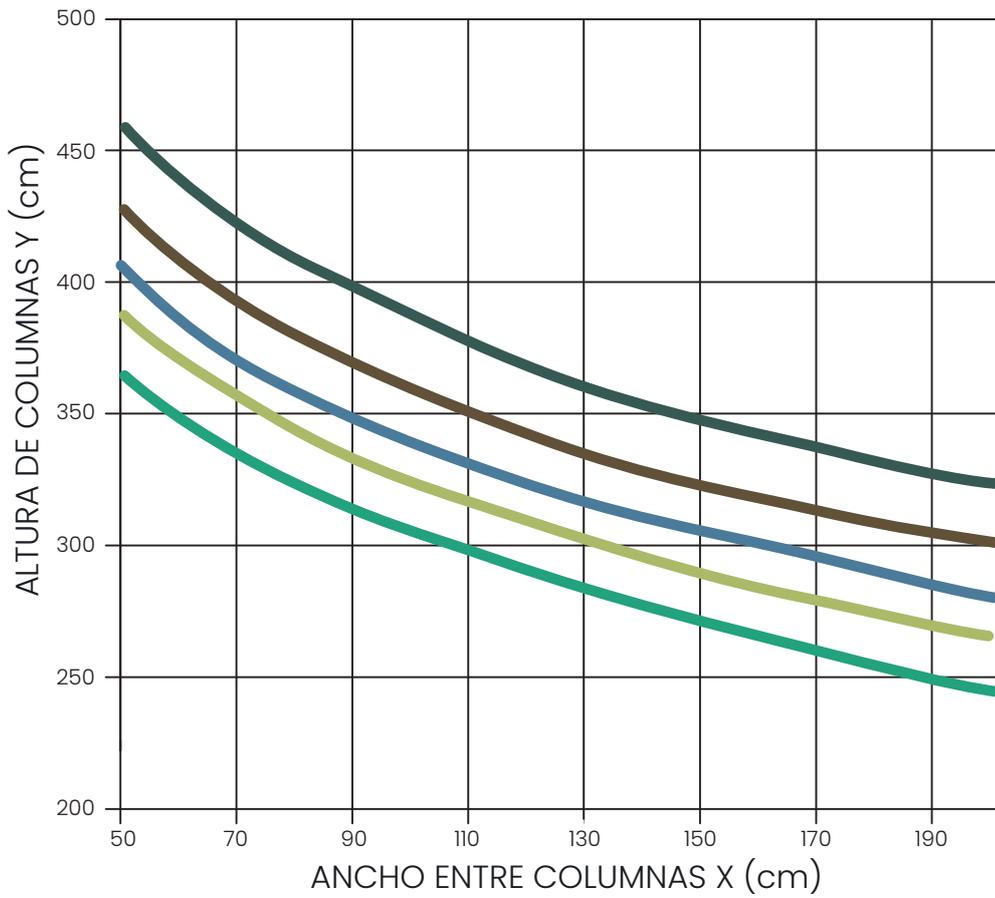
- 60 Kg/m²
- 80 Kg/m²
- 100 Kg/m²
- 120 Kg/m²
- 150 Kg/m²



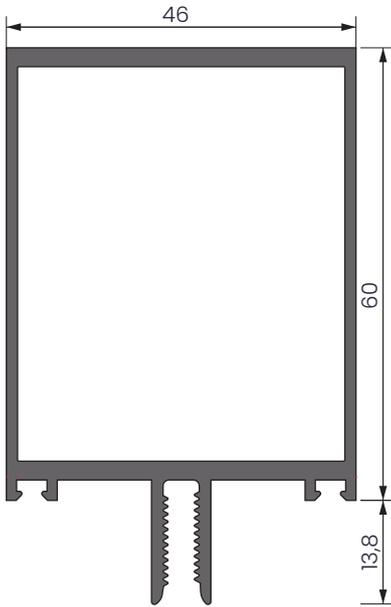
- 60 Kg/m²
- 80 Kg/m²
- 100 Kg/m²
- 120 Kg/m²
- 150 Kg/m²



- 60 Kg/m²
- 80 Kg/m²
- 100 Kg/m²
- 120 Kg/m²
- 150 Kg/m²

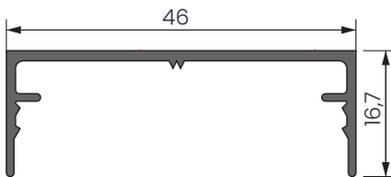


SLIM 45



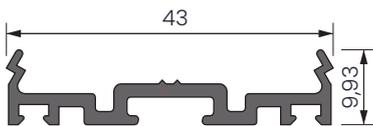
AW 5474

Columna de 60mm
1,236Kg/m. Largo 6,03m



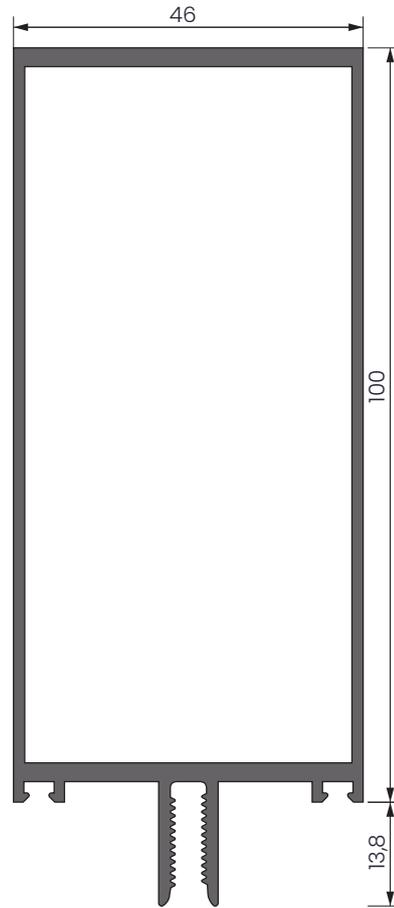
AW 5478

Tapa. 0,287Kg/m.
Largo 6,03m



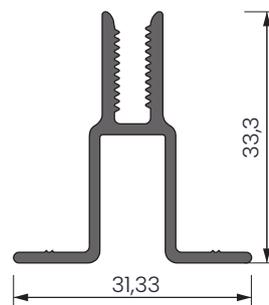
AW 5479

Soporte de tapa. 0,342Kg/m.
Largo 6,03m



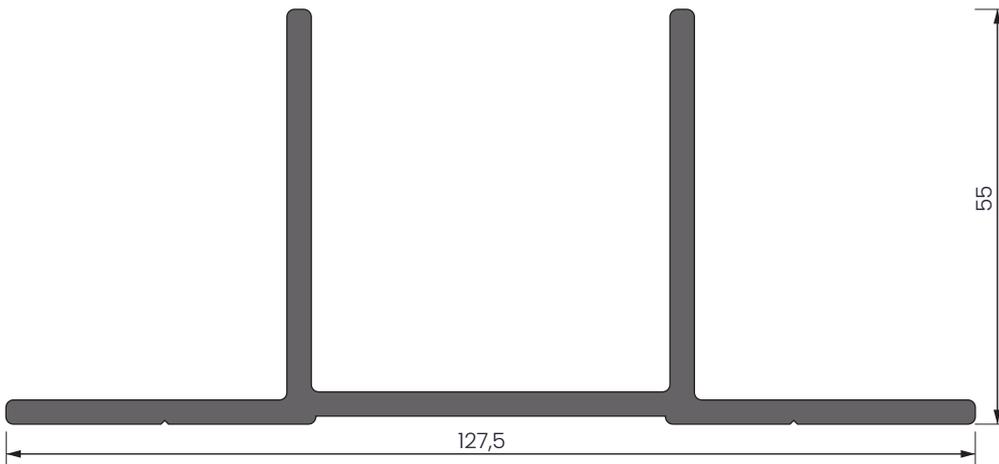
AW 5476

Columna de 100mm
1,554Kg/m. Largo 6,03m



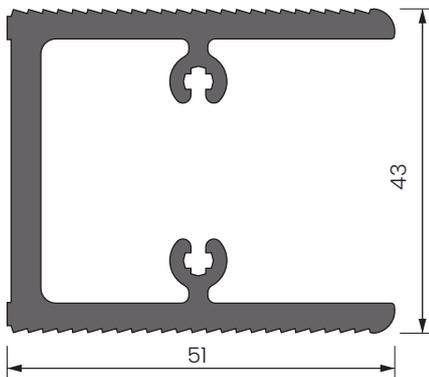
AW 5997

Adaptador DVH. 0,388Kg/m.
Largo 6,03m



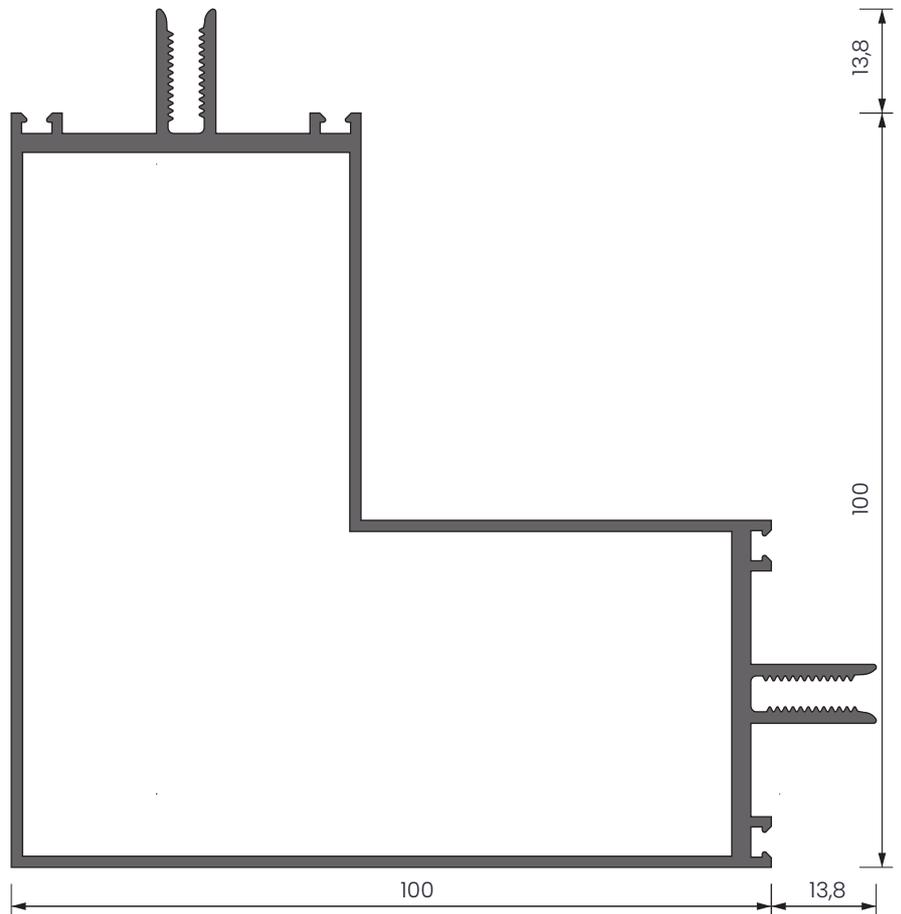
AW 5995

Soporte frente a losa SLIM.
1,998Kg/m. Largo 6,03m



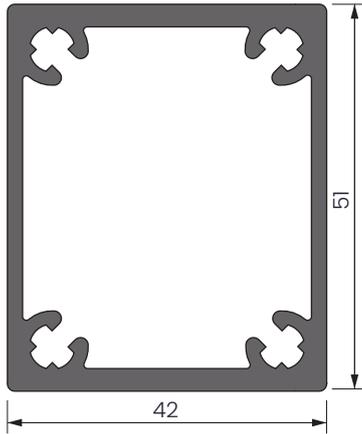
AW 5996

Escuadra SLIM. 1,558Kg/m.
Largo 6,03m



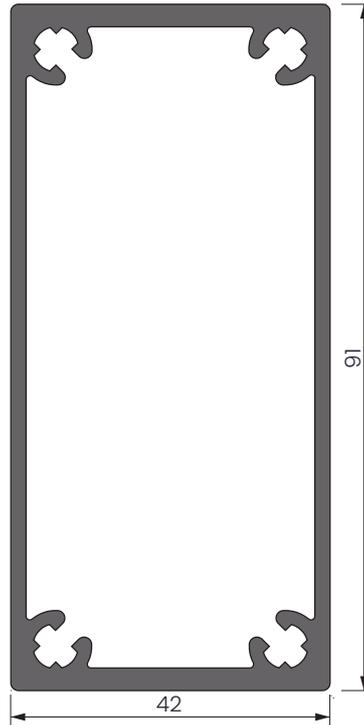
AW 5480

Columna de esquina a 90°
2,161Kg/m. Largo 6,03m



AW 5481

Refuerzo interno.
1,457 Kg/m. Largo

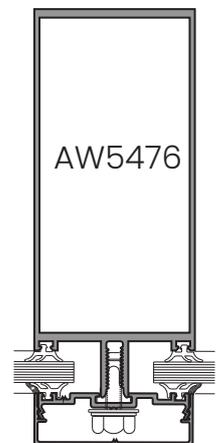
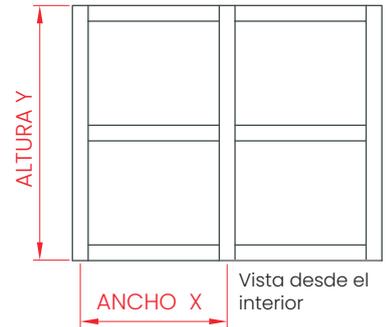
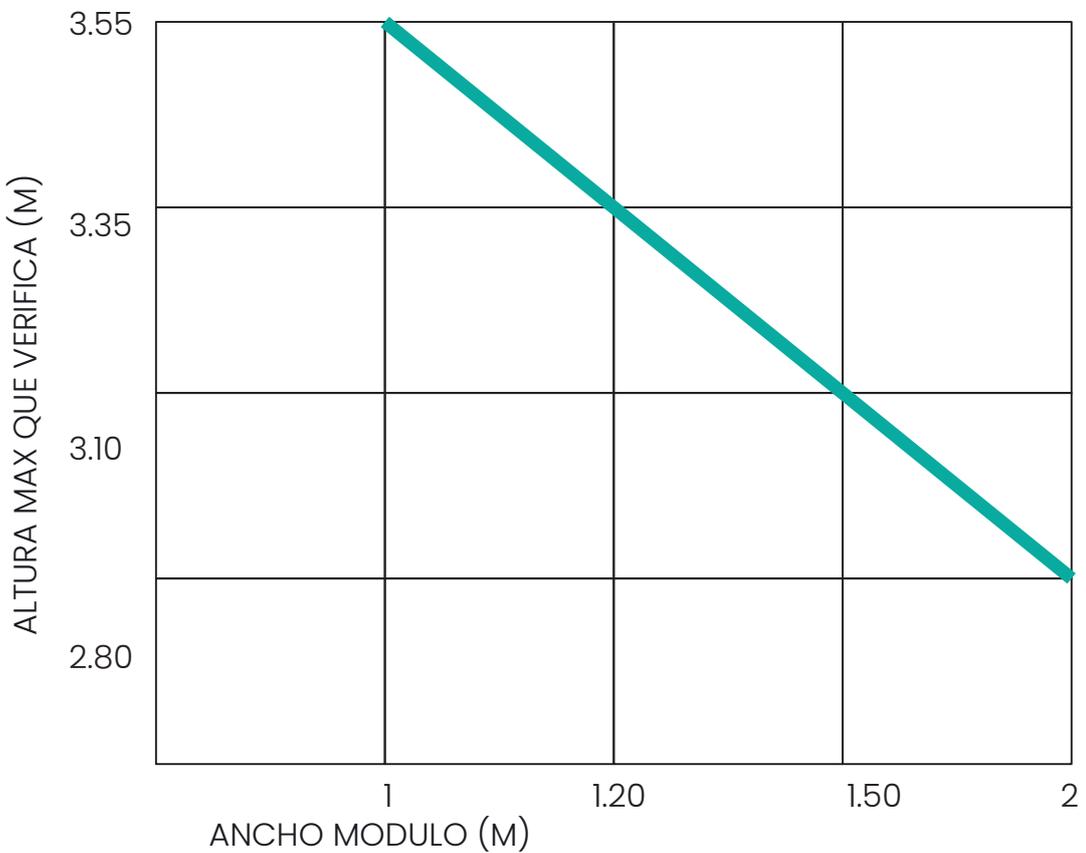
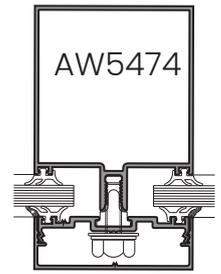
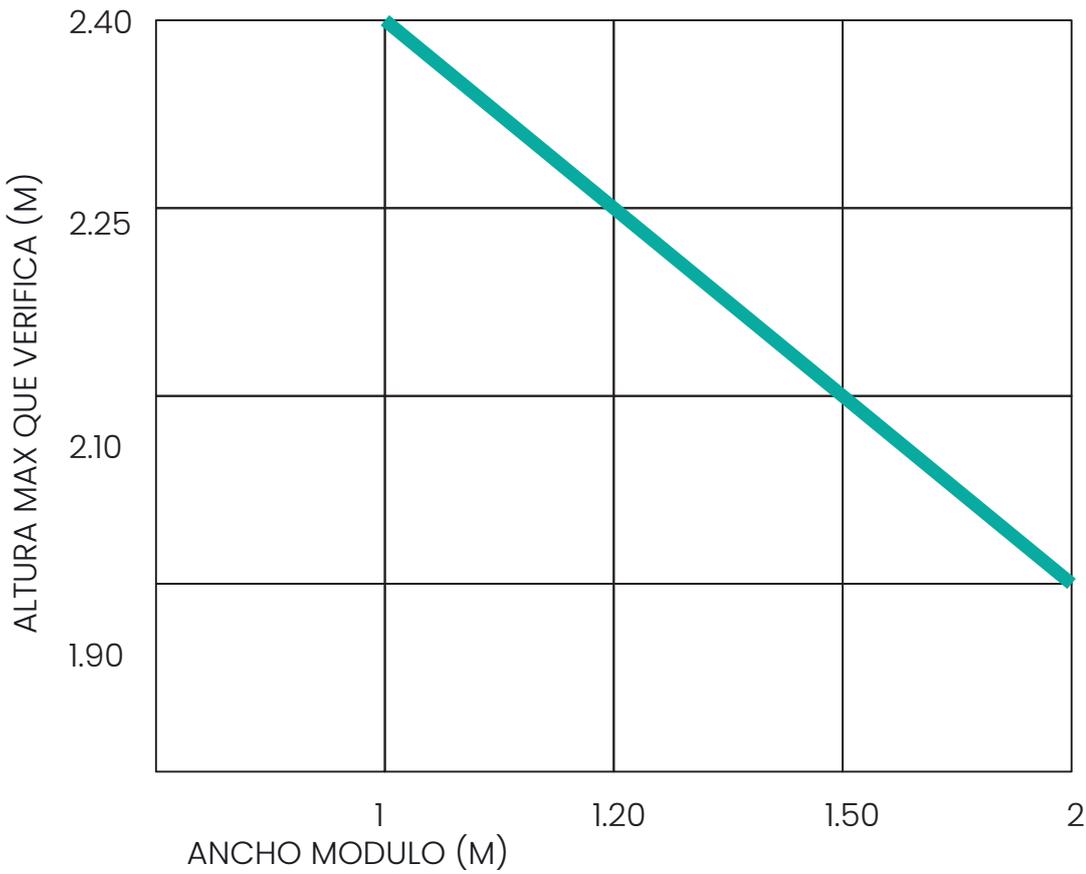


AW 5482

Refuerzo interno.
1,889 Kg/m. Largo

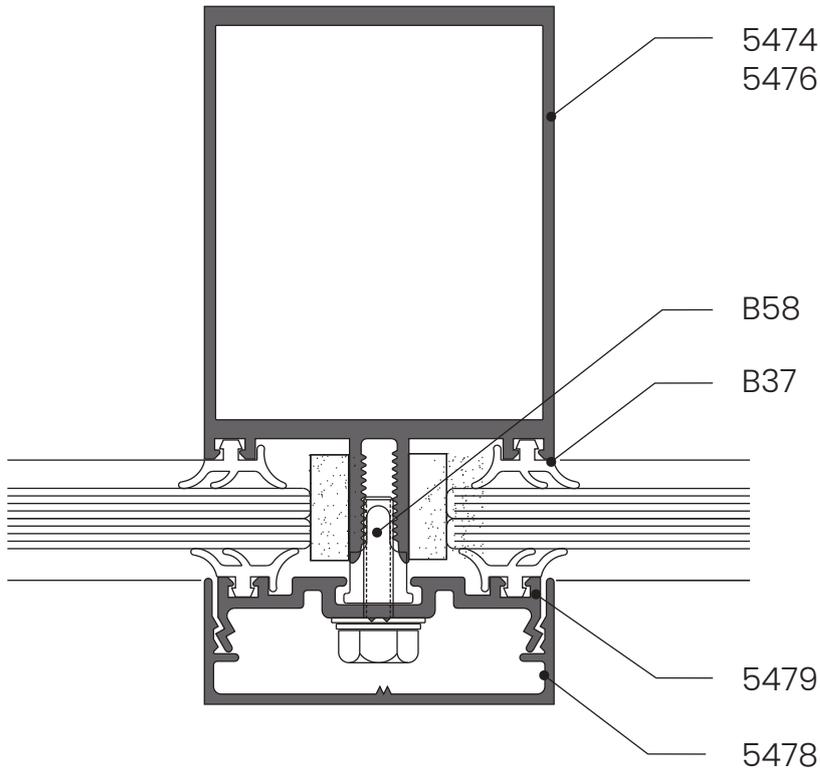
ACCESORIOS STANDARD

DESCRIPCION	APLICACION	IMAGEN
Anclaje para frente a losa SLIM cod. FI03		 ALUWIND PEDIDOS WEB!
Burlete de acristalamiento COD. B37		
Escuadra de armado SLIM cod. FI02		 ALUWIND PEDIDOS WEB!

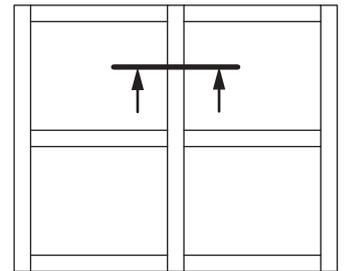
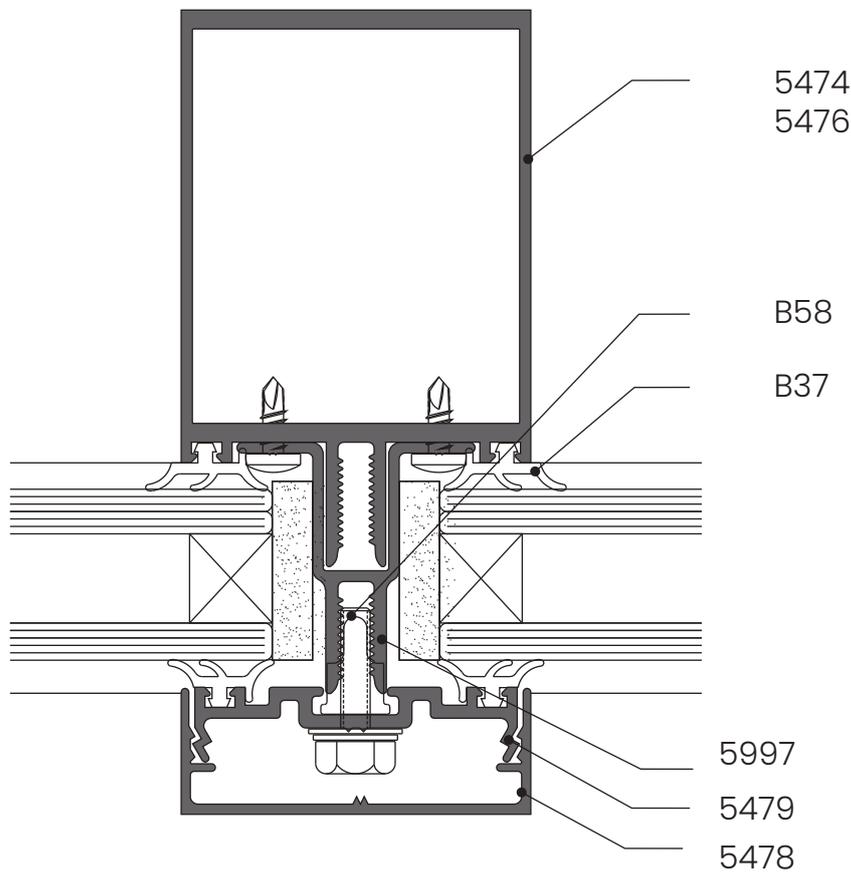


***Con el refuerzo de aluminio se incrementa la resistencia un 30%**

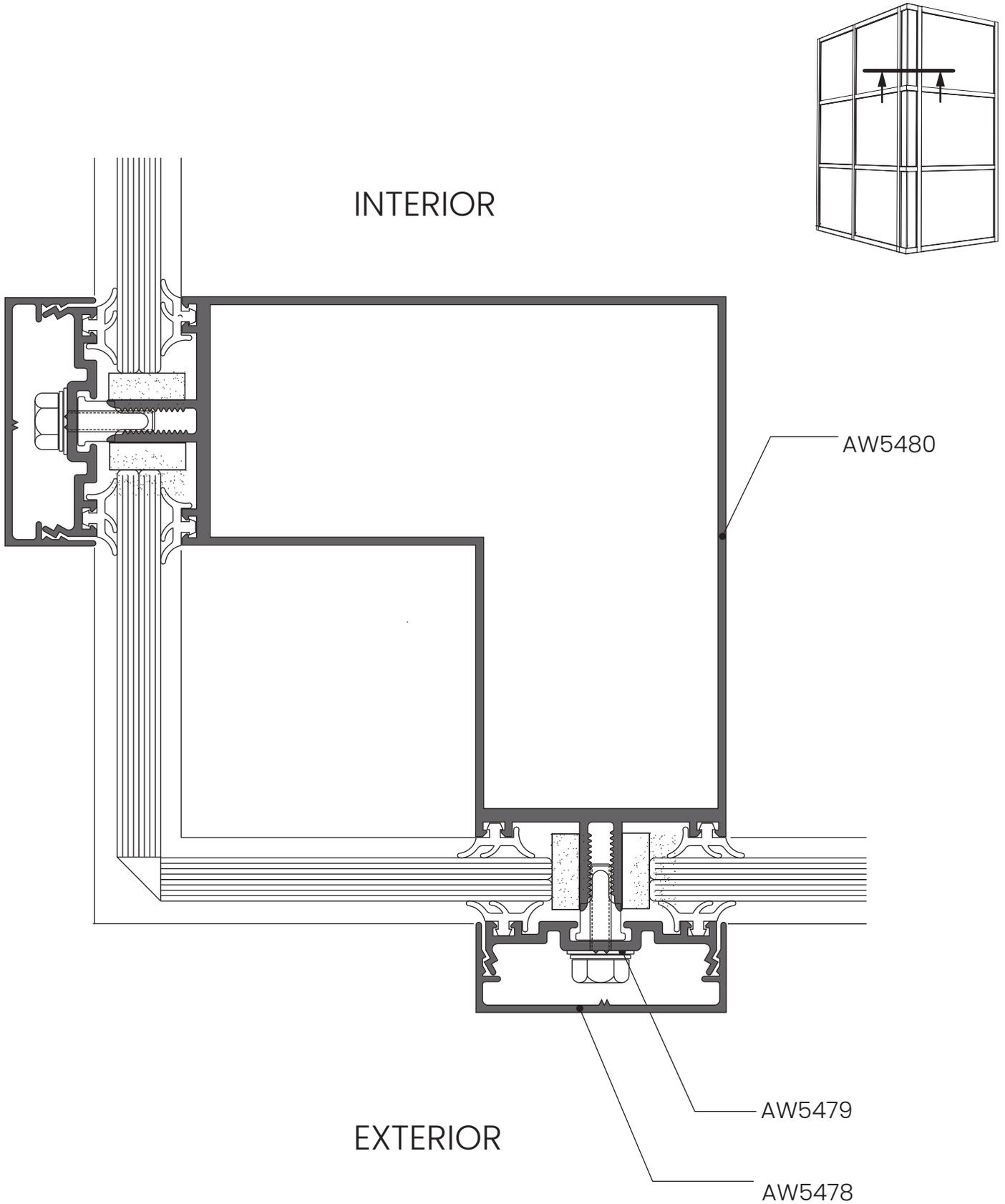
Detalle Vidrio simple



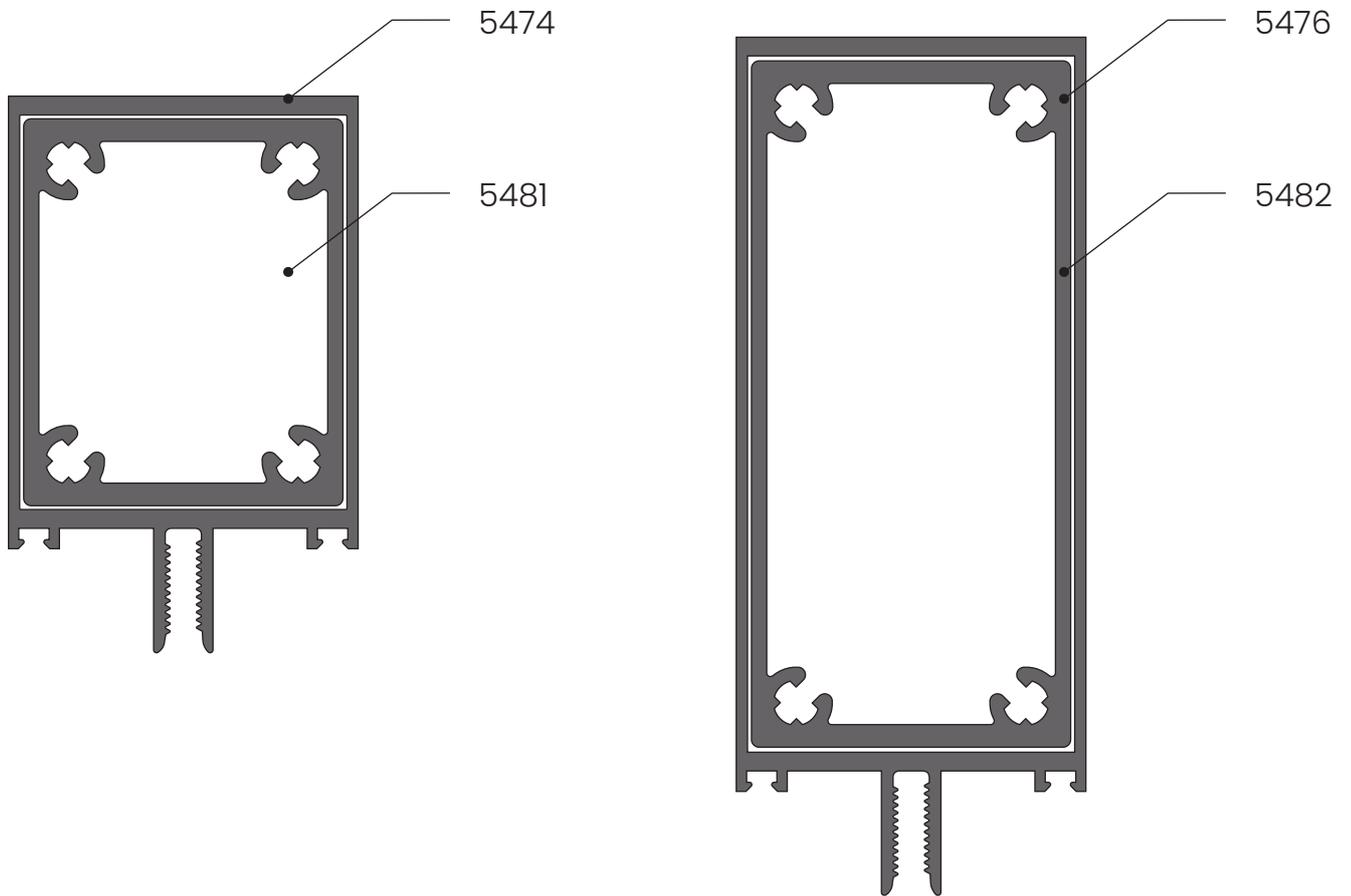
Detalle DVH



Detalle cierre con columna

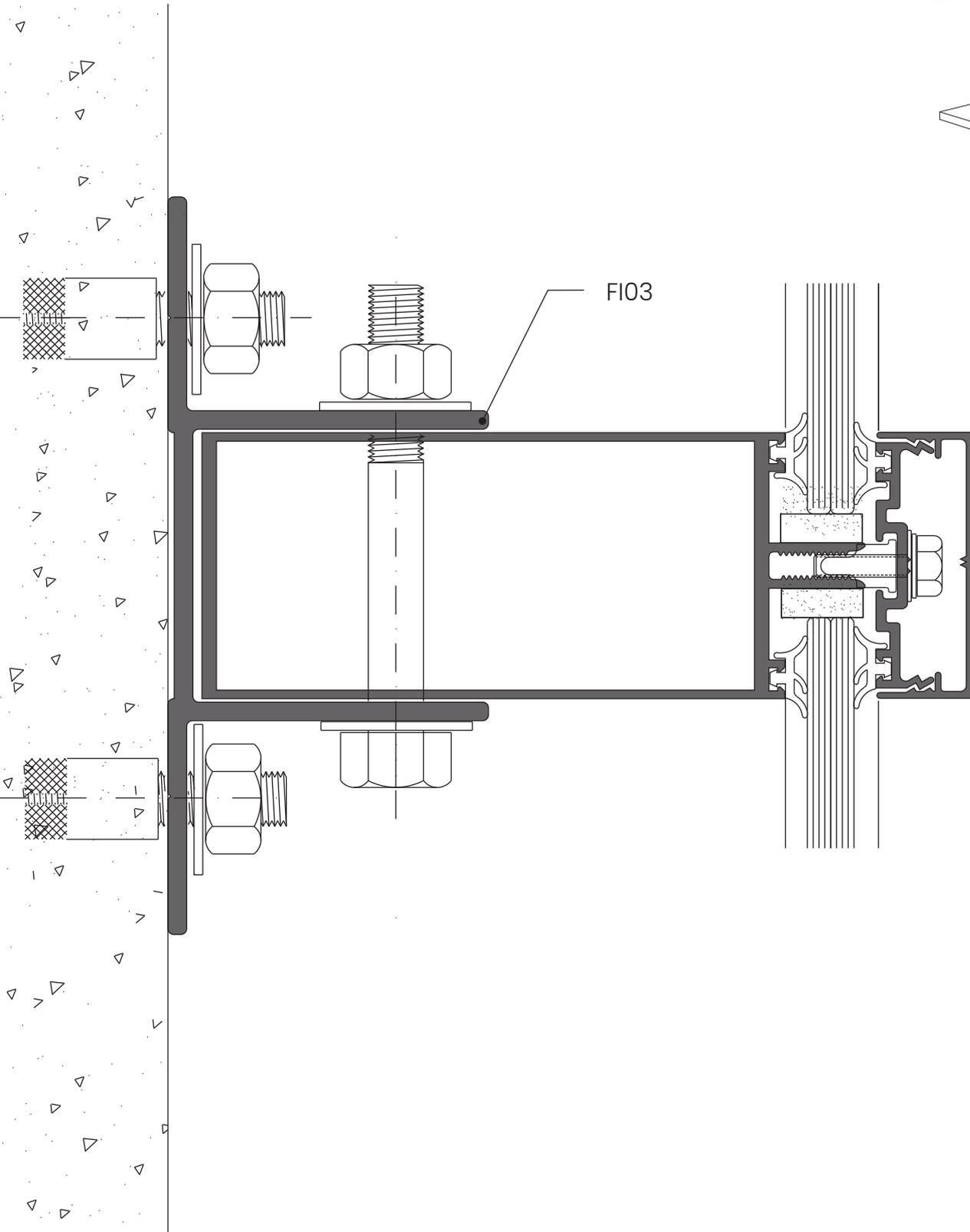
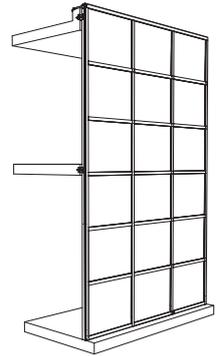


Detalle refuerzos internos

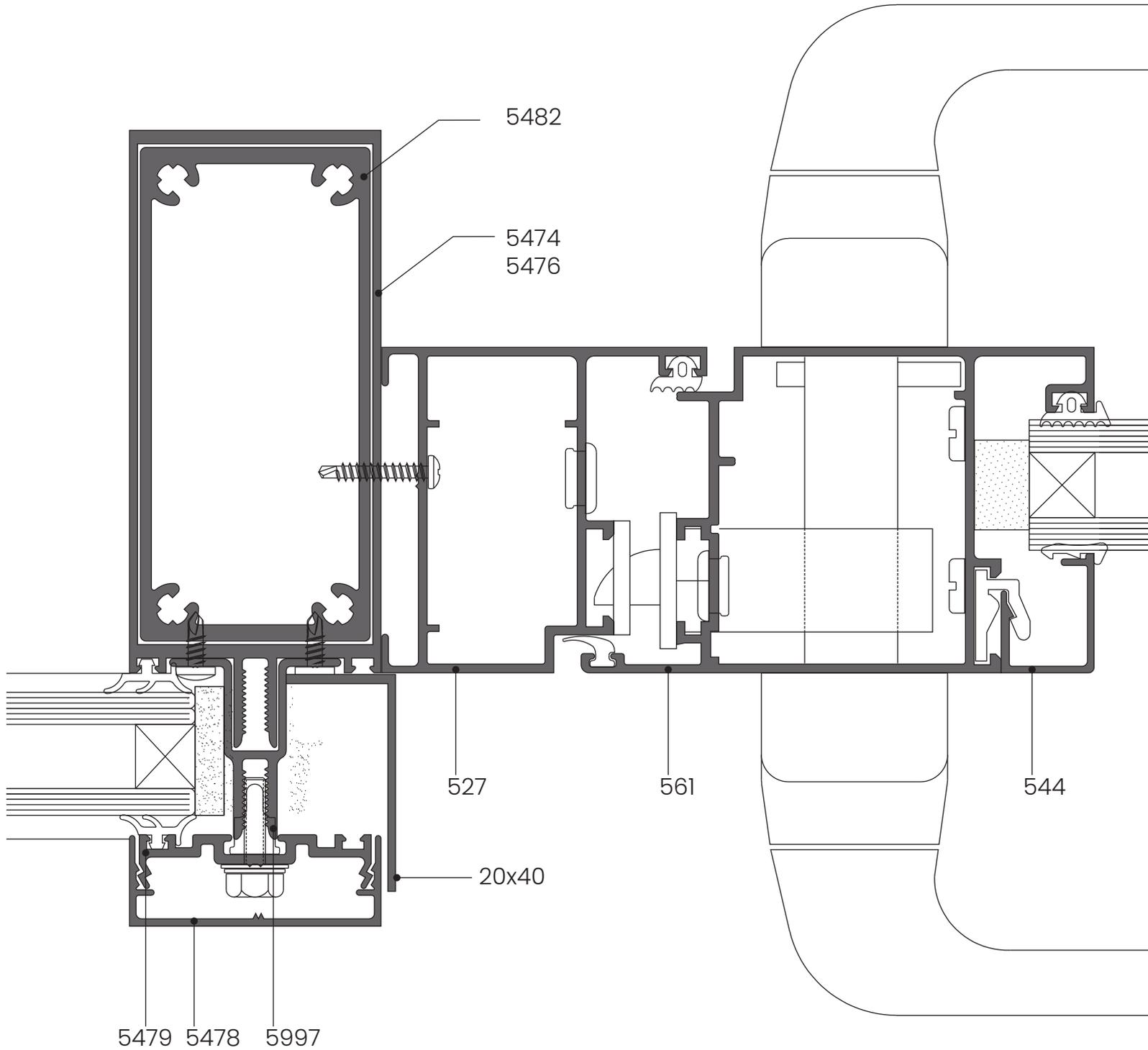


*Con el refuerzo de aluminio se incrementa la resistencia un 30%

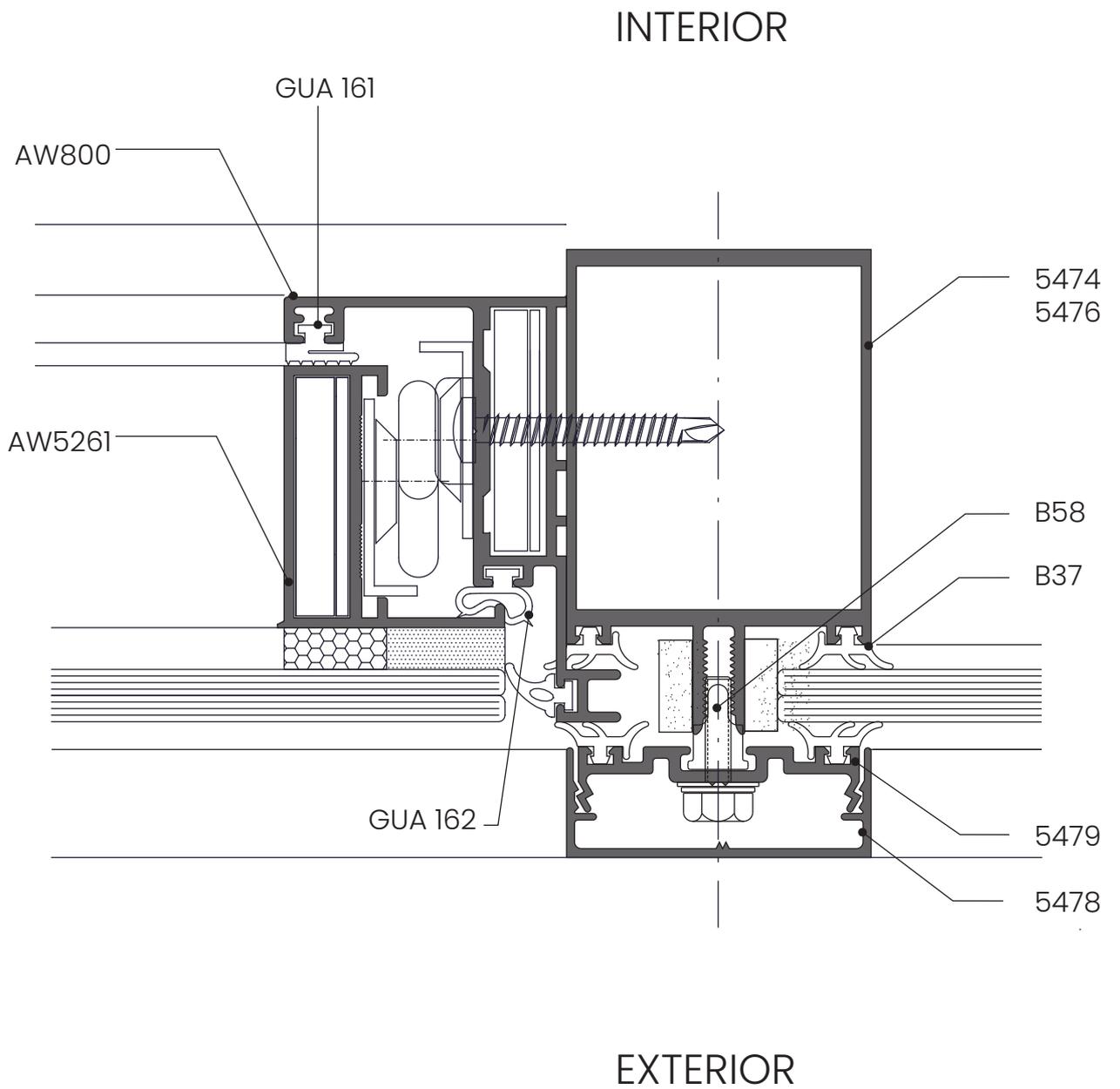
Detalle con soporte frente a losa



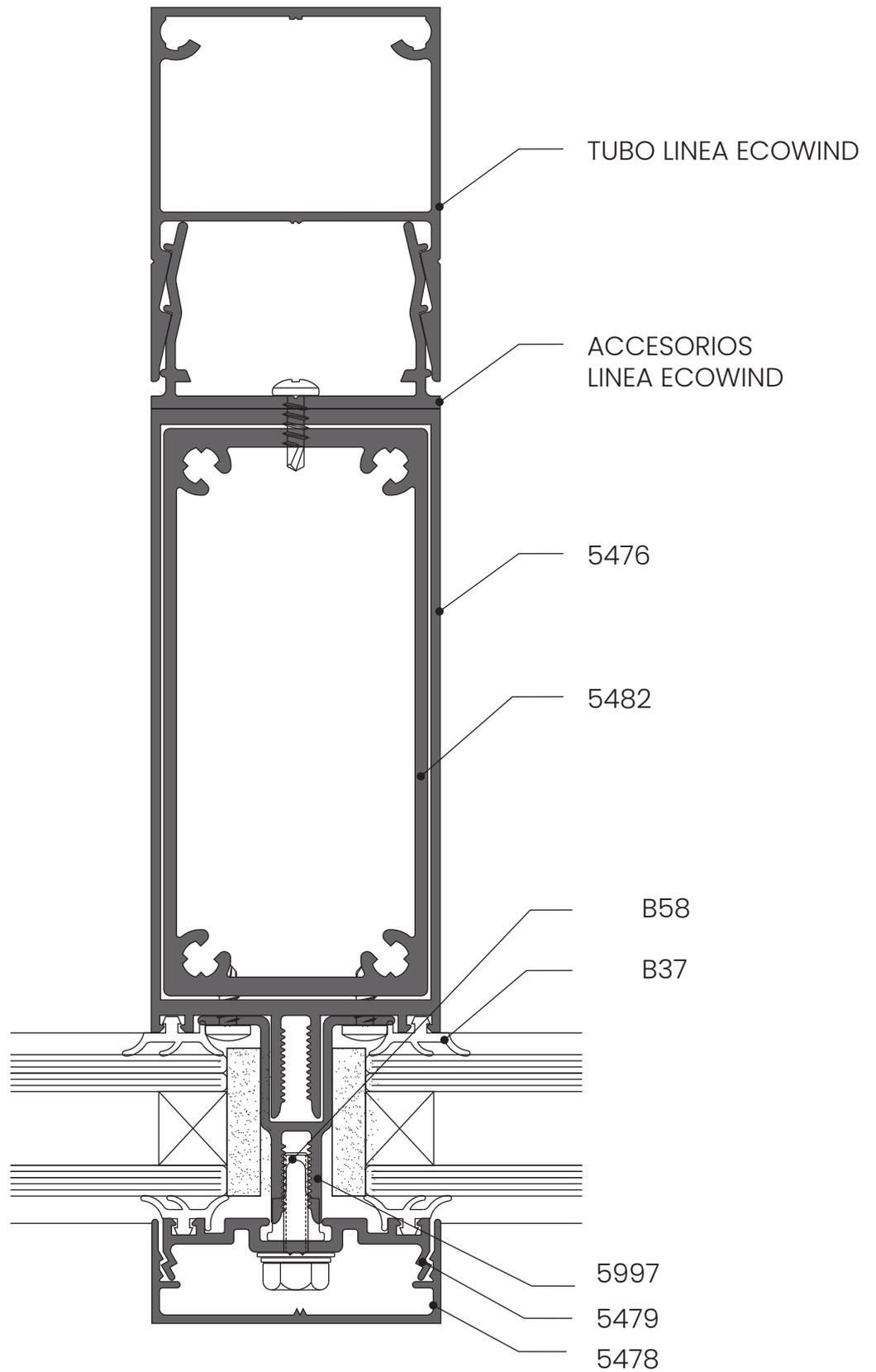
Detalle con puerta de rebatir Imperia



Detalle con ventana desplazable



Detalle de ensamble con Sistema Ecowind



Problemas frecuentes y sus causas

Inestabilidad Mecánica en la Fachada o ruidos

- Sobrecarga
- Inercia de perfiles elegidos inferior a la necesaria
- Sobredimensión en distancia entre fijaciones mecánicas
- Anclajes y/o perfiles estructurales mal calculados o mal colocados

Falta de planimetría en los vidrios

- Faltan calzos de acristalamiento o se emplearon calzos inadecuados.
- Holguras perimetrales insuficientes entre vidrios y perfiles

Deformaciones permanentes en los perfiles

- Falta de aplomo, alineación o escuadra en las columnas
- Inercia de perfiles elegidos inferior a la necesaria
- Golpes en la manipulación o transporte
- Fallas en el cálculo estructural

Rayas, manchas o pérdida de brillo en perfiles

- Limpieza con productos abrasivos o chorro de agua a presión
- Falta de limpieza en ambientes agresivos
- Contacto con cemento o mortero durante la instalación

Roturas de vidrios

- Falta de aplomo, alineación o escuadra en las columnas
- Impactos accidentales
- Stress térmico
- Cantos de los vidrios sin pulir (existencia de micro fisuras)
- Acristalamiento sin calzos
- Por templado de vidrio
- Holguras perimetrales insuficientes entre vidrios y perfiles
- Vidrio aislante con columnas mal escuadradas



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