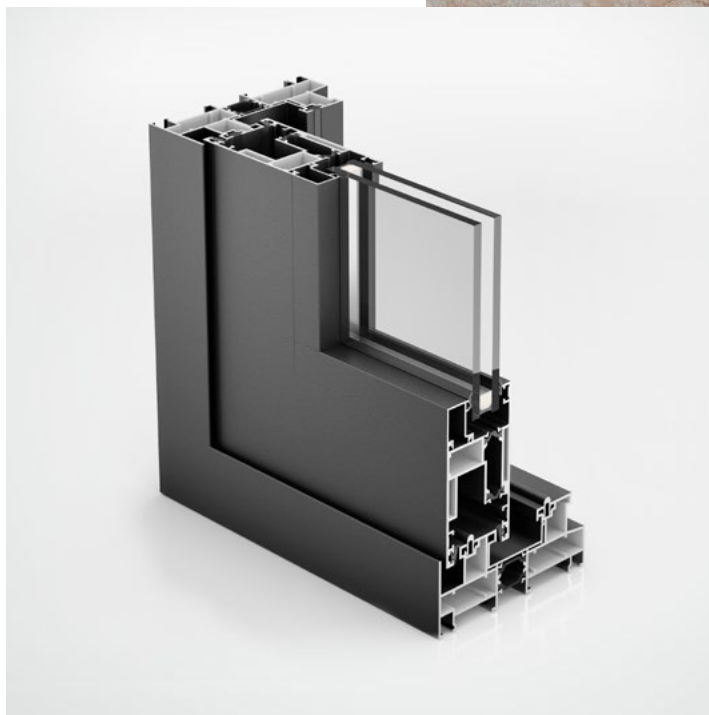


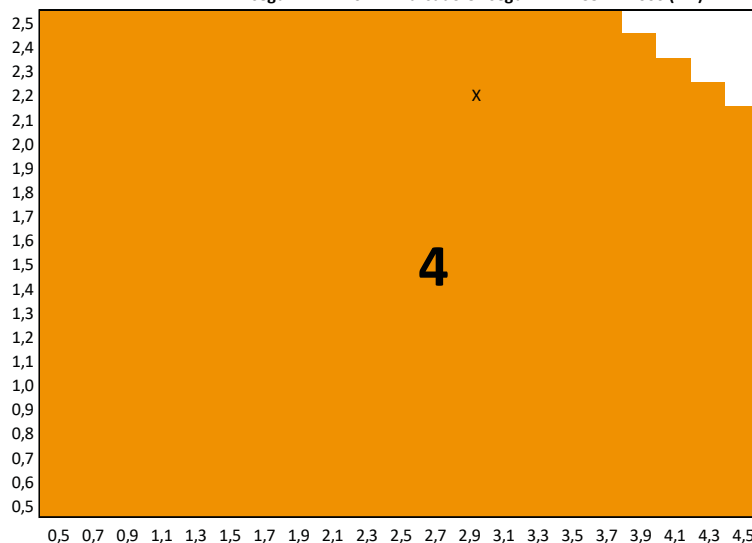
THERMIA® ER52

Serie para ventanas correderas elevables con RPT

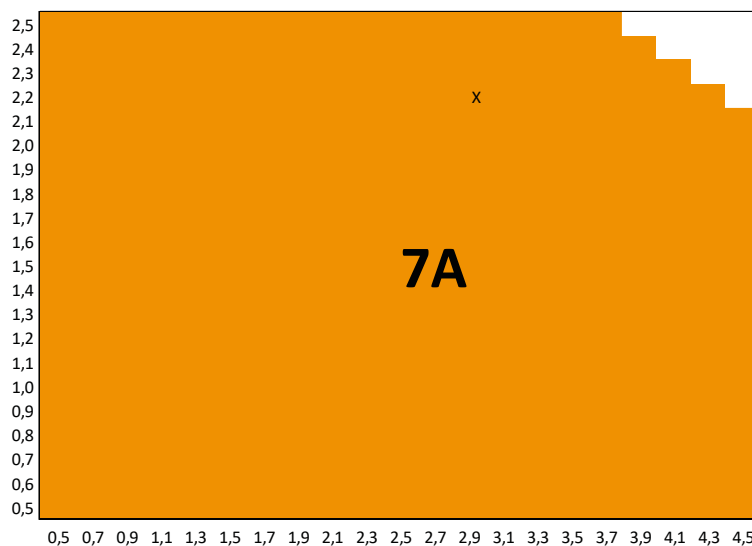


Ventanas para vivir mejor

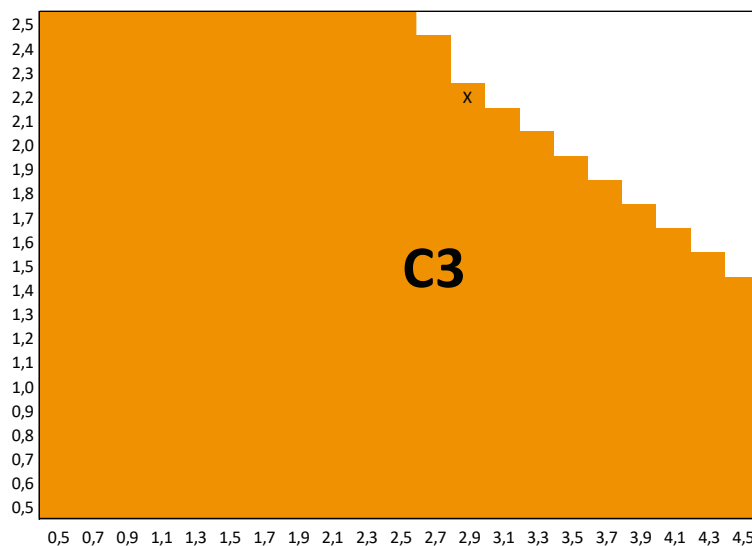
PERMEABILIDAD AL AIRE según EN 12207 - Marcado CE según EN 14351-1:2006 (E.1)



ESTANQUIDAD AL AGUA según EN 12208 - Marcado CE según EN 14351-1:2006 (E.1)



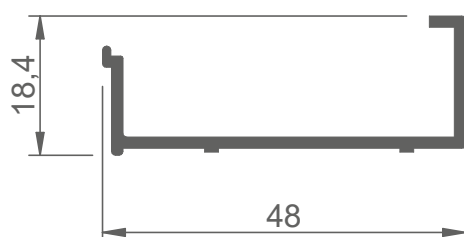
RESISTENCIA AL VIENTO según EN 12210 - Marcado CE según EN 14351-1:2006 (E.1)



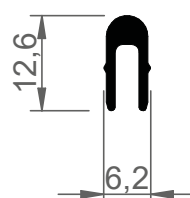
Resultados obtenidos de los informes oficiales
nums.: 10/32300370, 09/32302504, 09/32302670,
y 09/100142-1612 según ensayos realizados en
Applus, y en base al Anexo E de la norma
EN 14351-1:2006

Diseño
Confort
Silencio

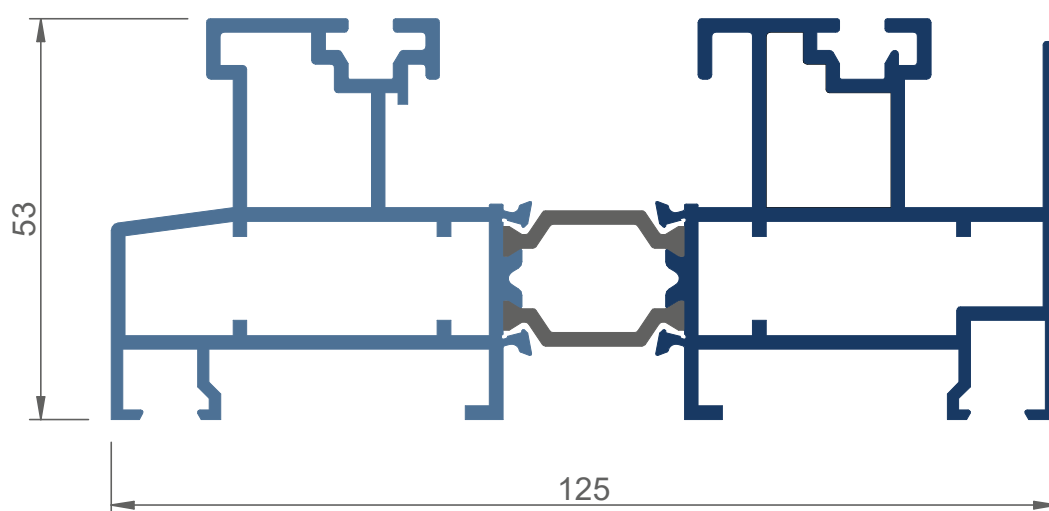
ER52 4103



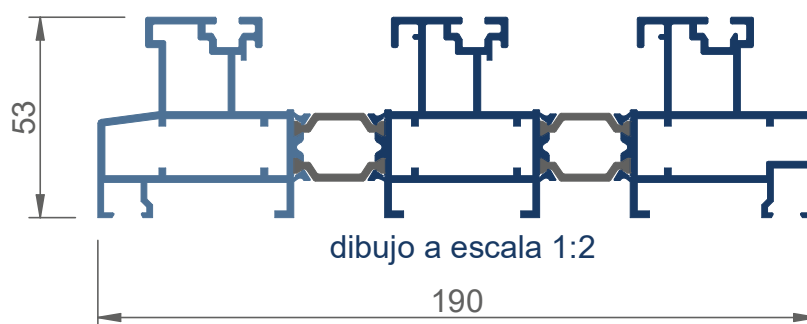
ER52 4100

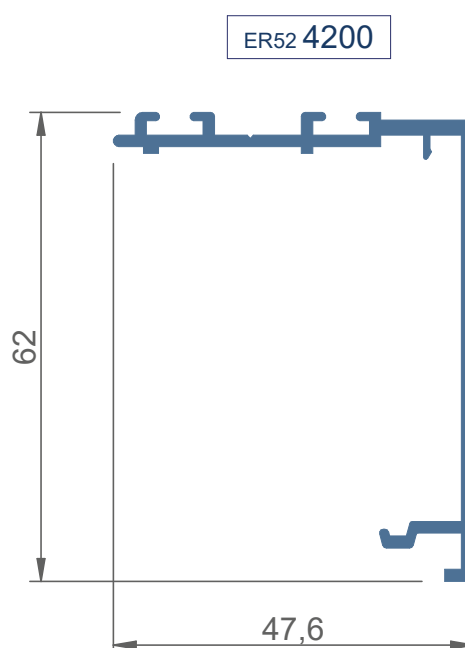
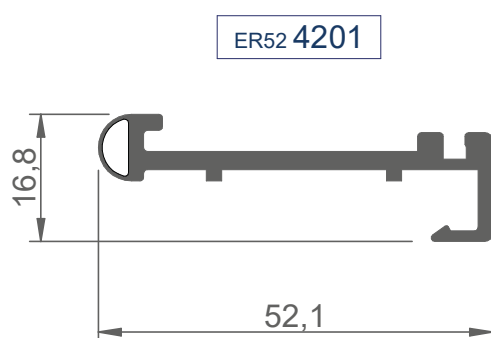
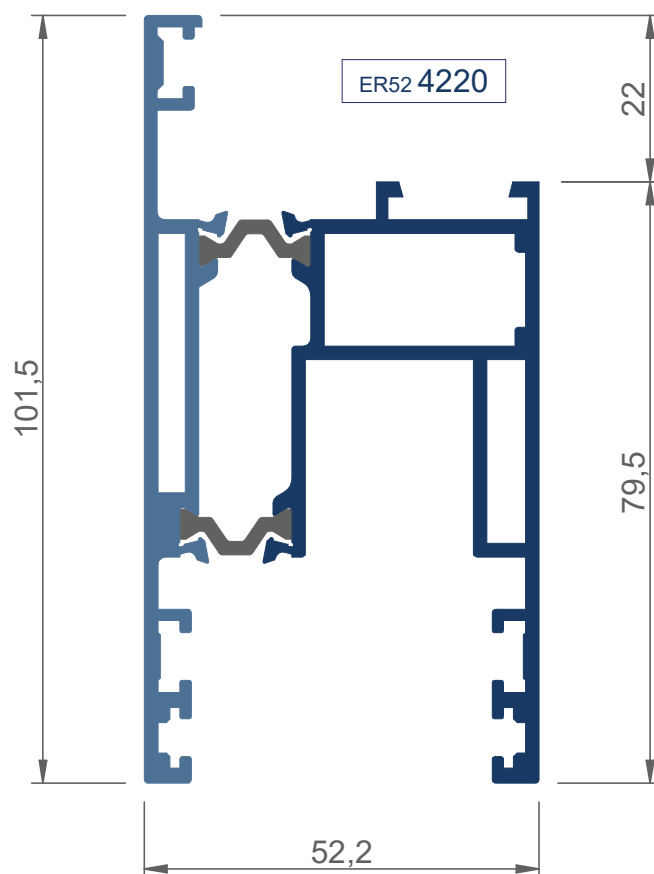


ER52 4110

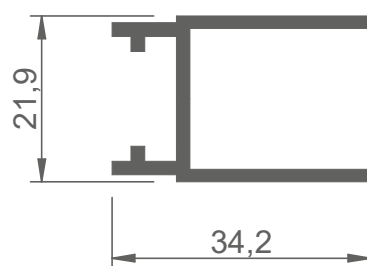


ER52 4130

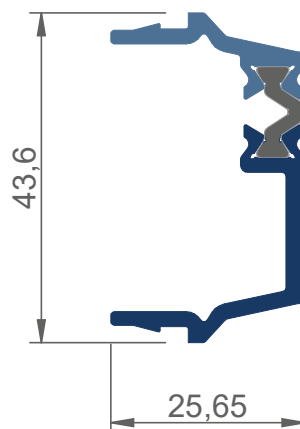




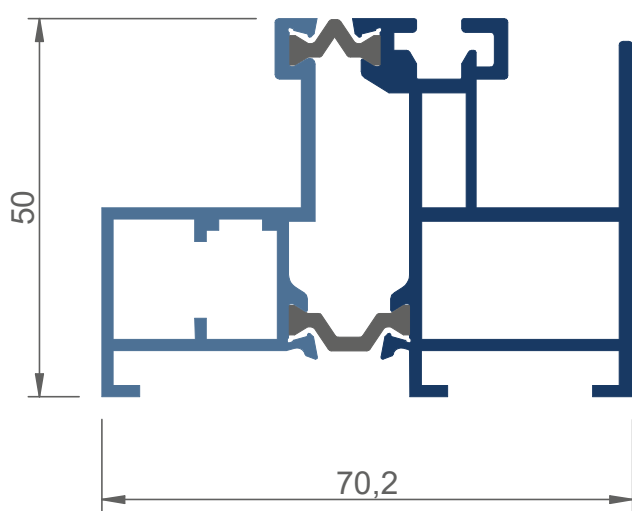
ER52 4500



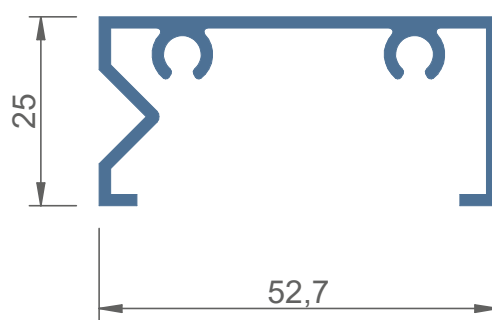
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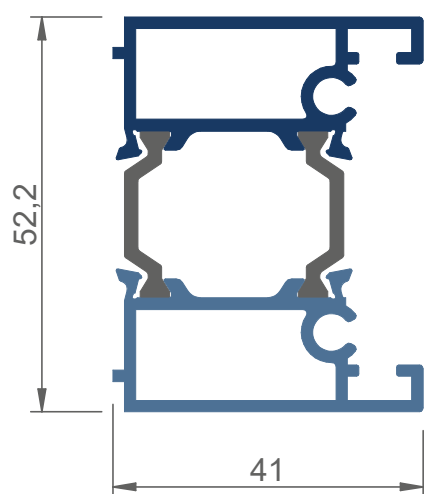
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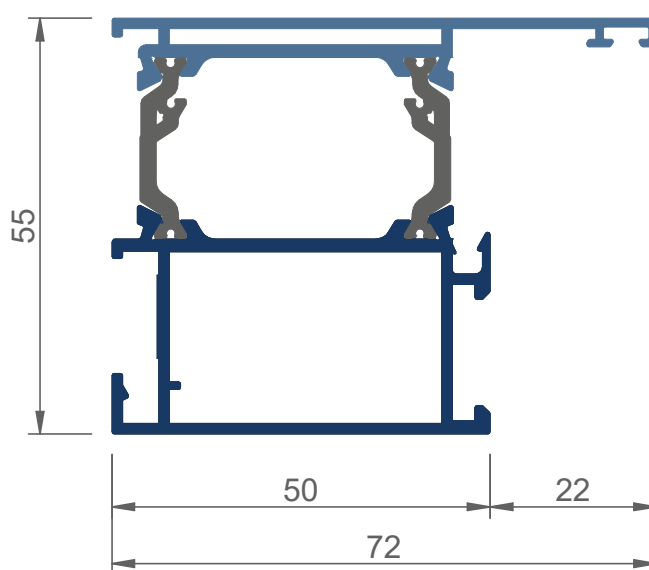
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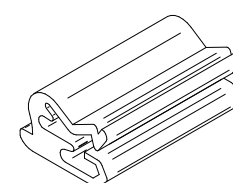
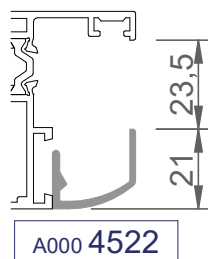
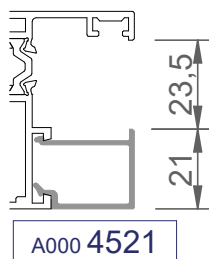
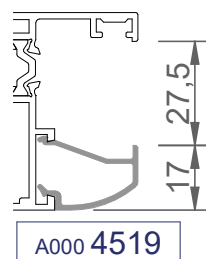
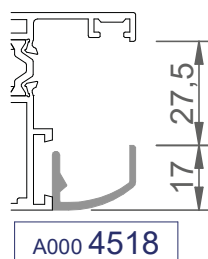
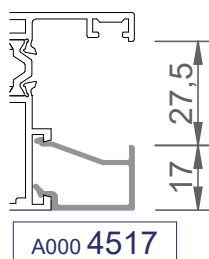
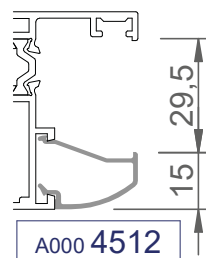
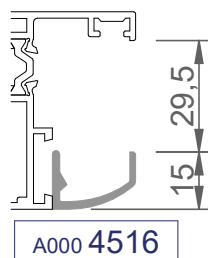
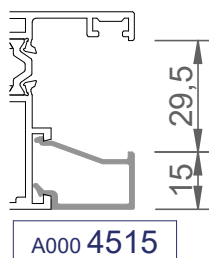
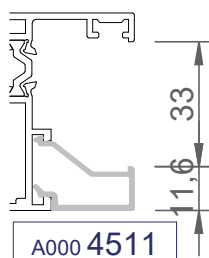


ER52 4140



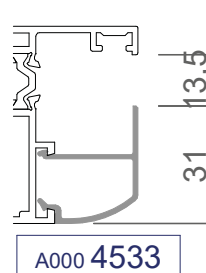
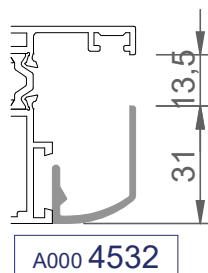
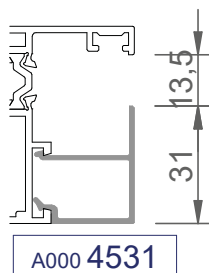
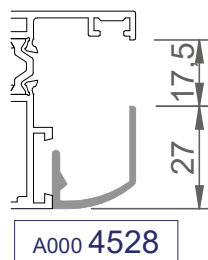
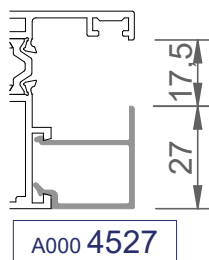
AR62 4150



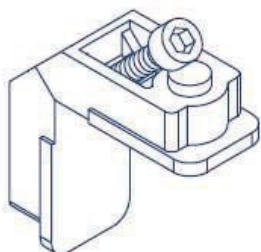


grapa junquillos elípticos

A000 2102



Diseño
Confort
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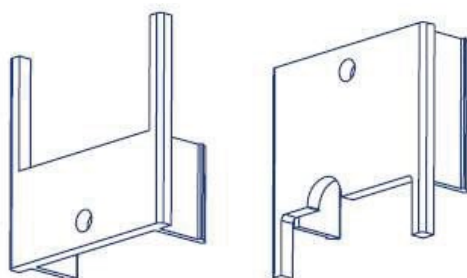
ER52 2110



ER52 2140



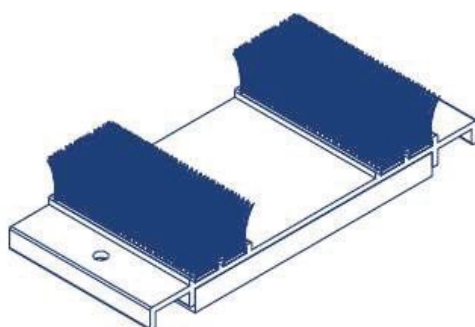
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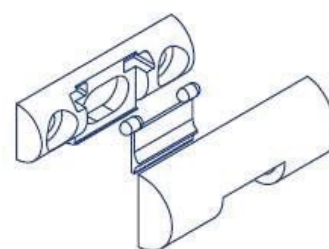
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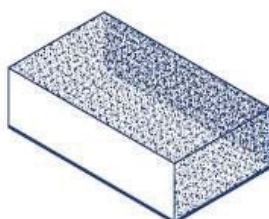
ER52 2320



ER52 2343



ER52 2300



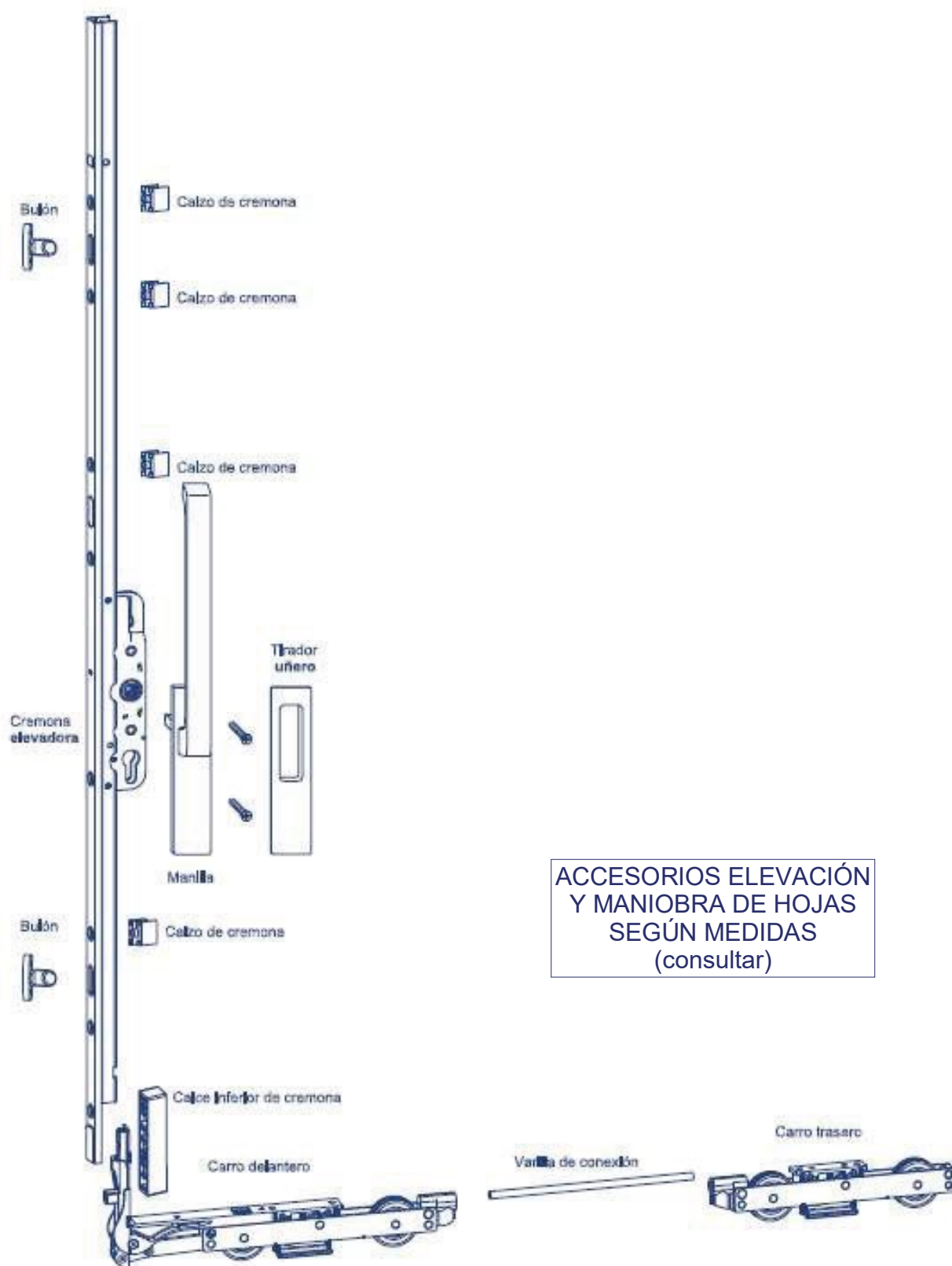
ER52 2344

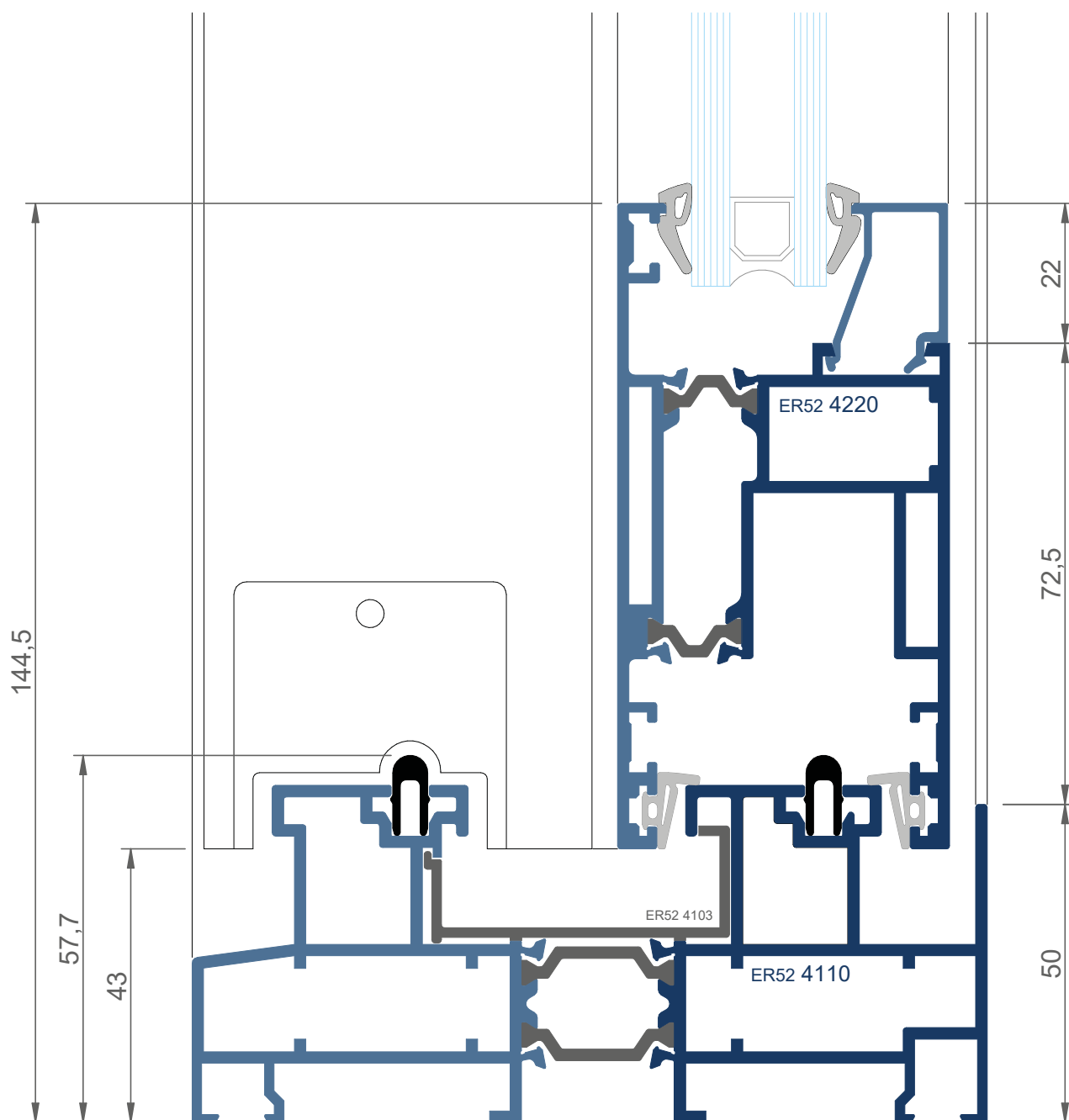


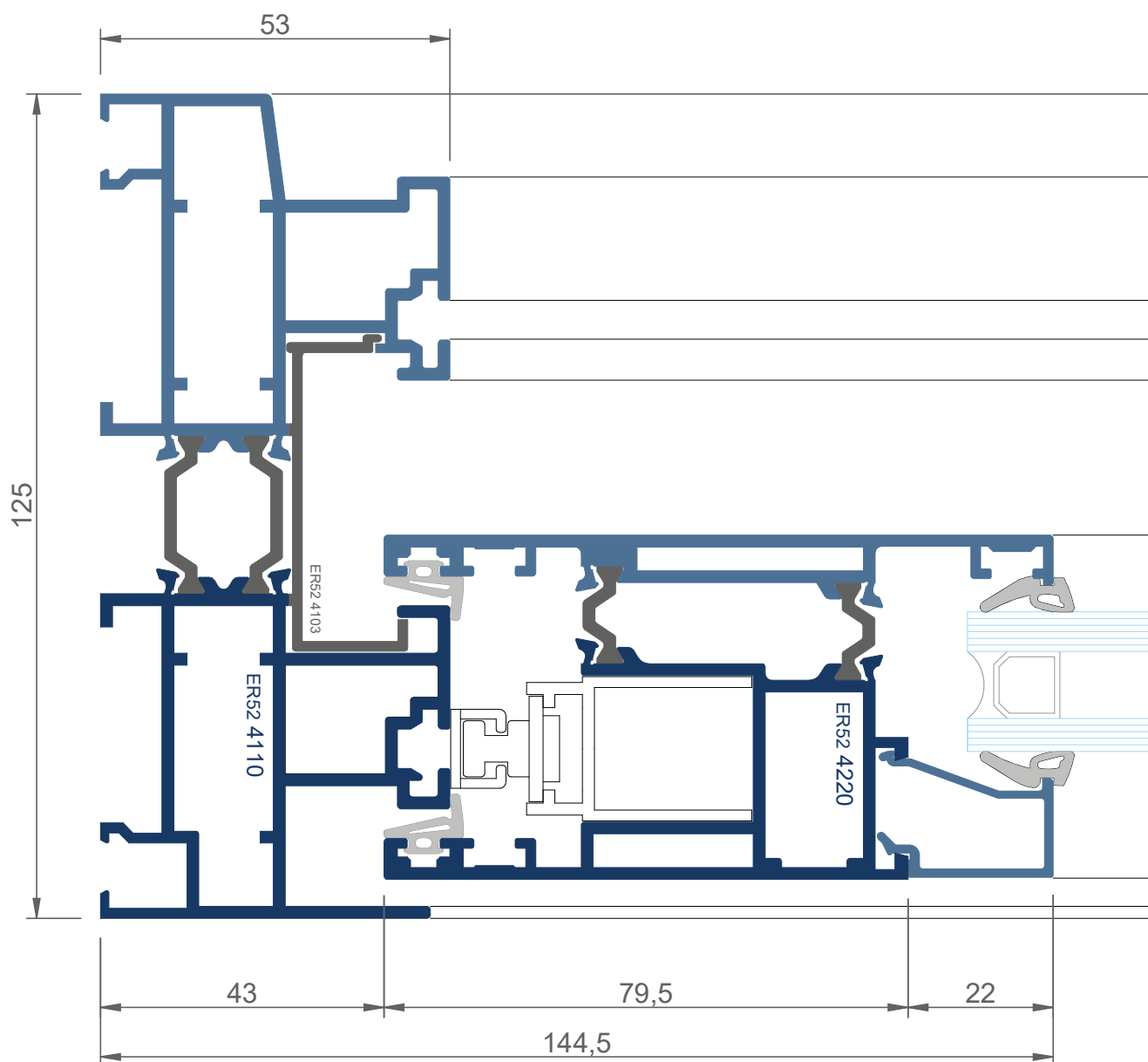
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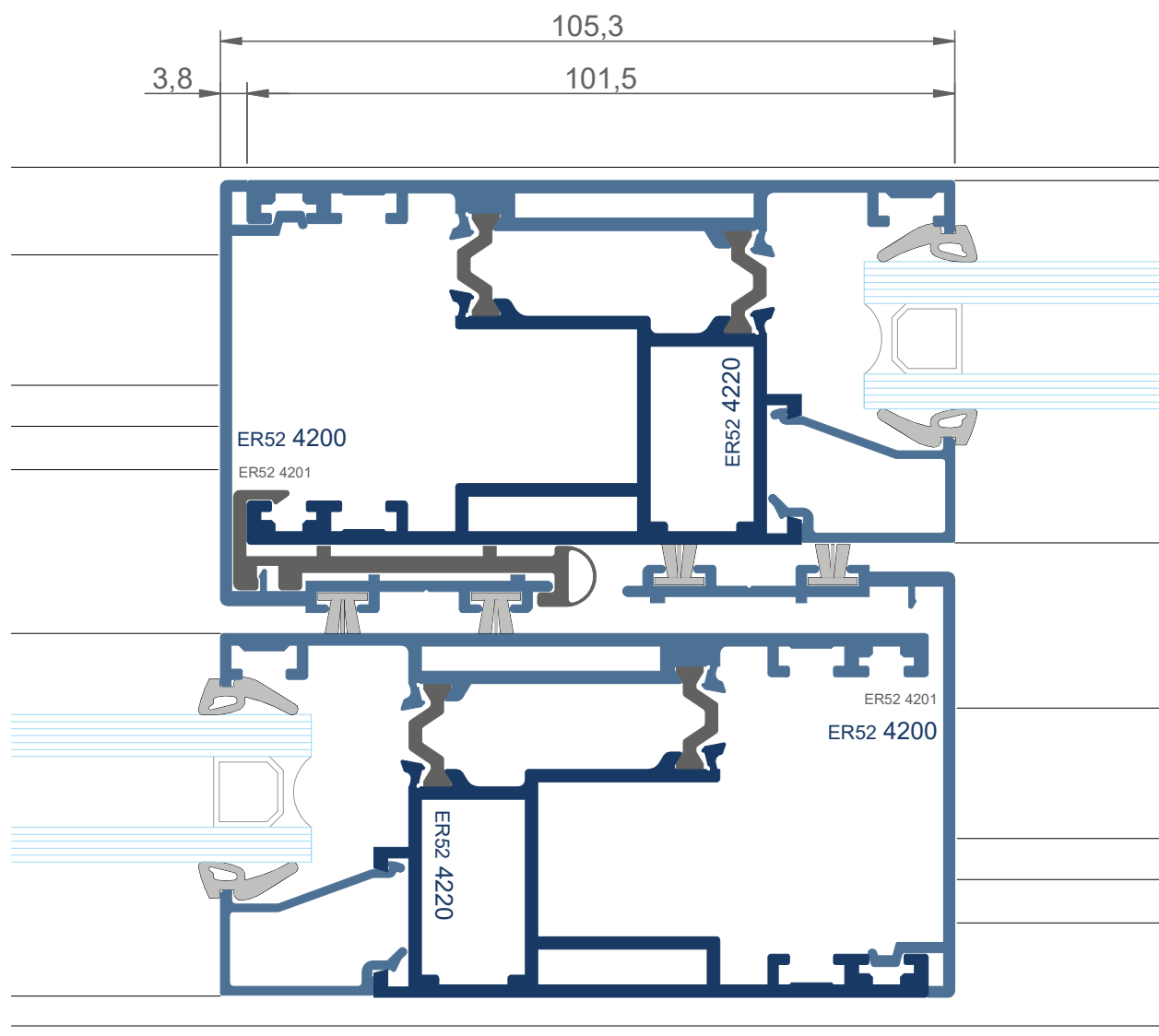


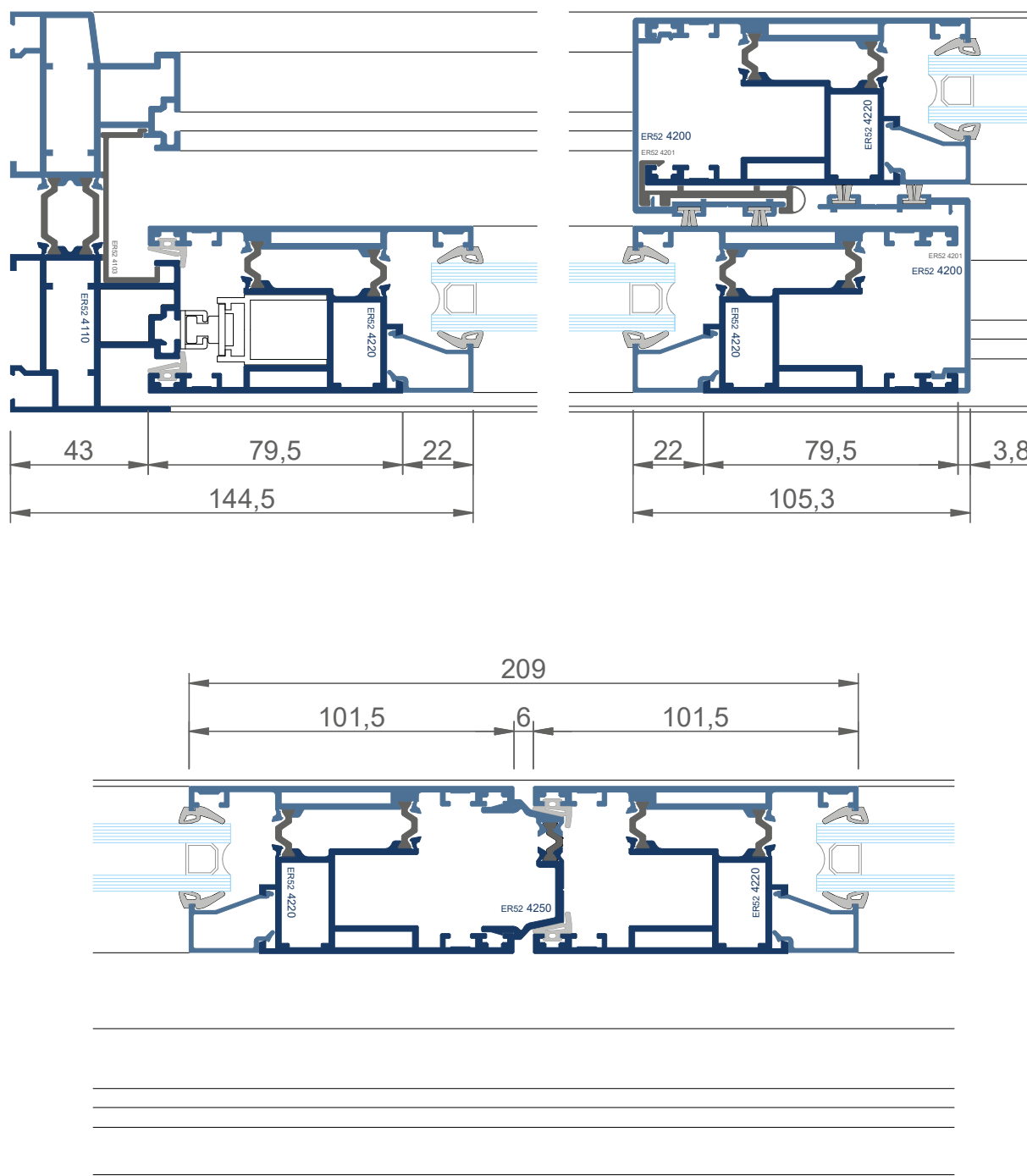
CR46 2301



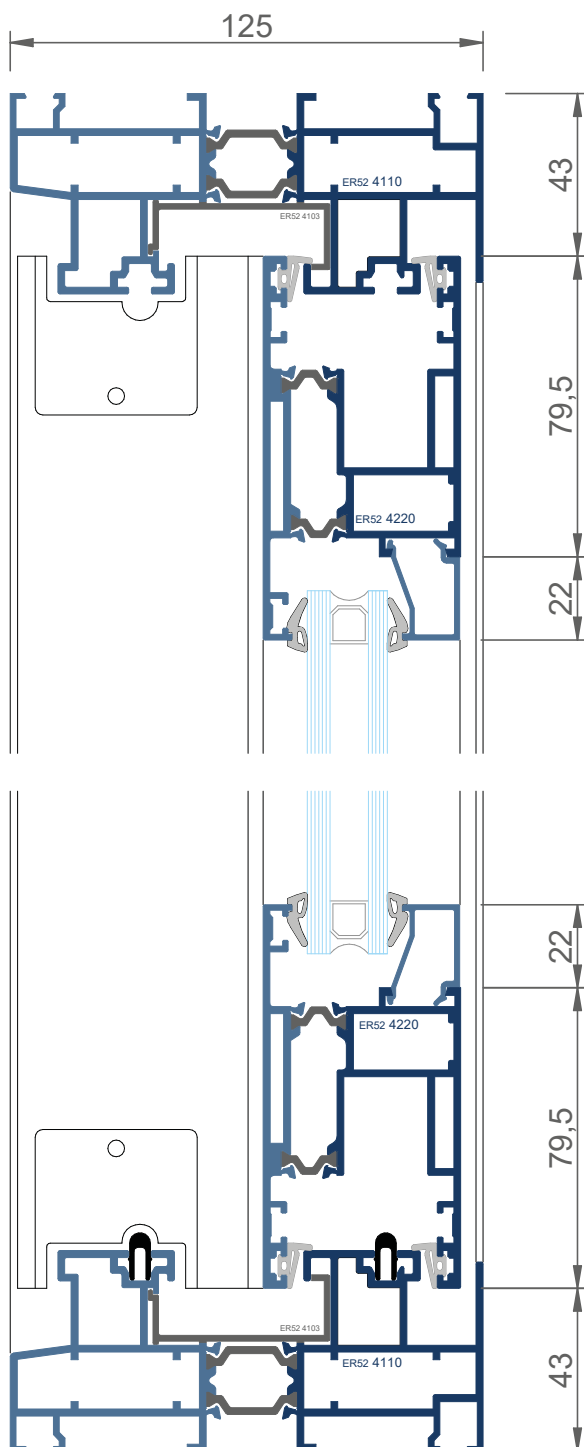




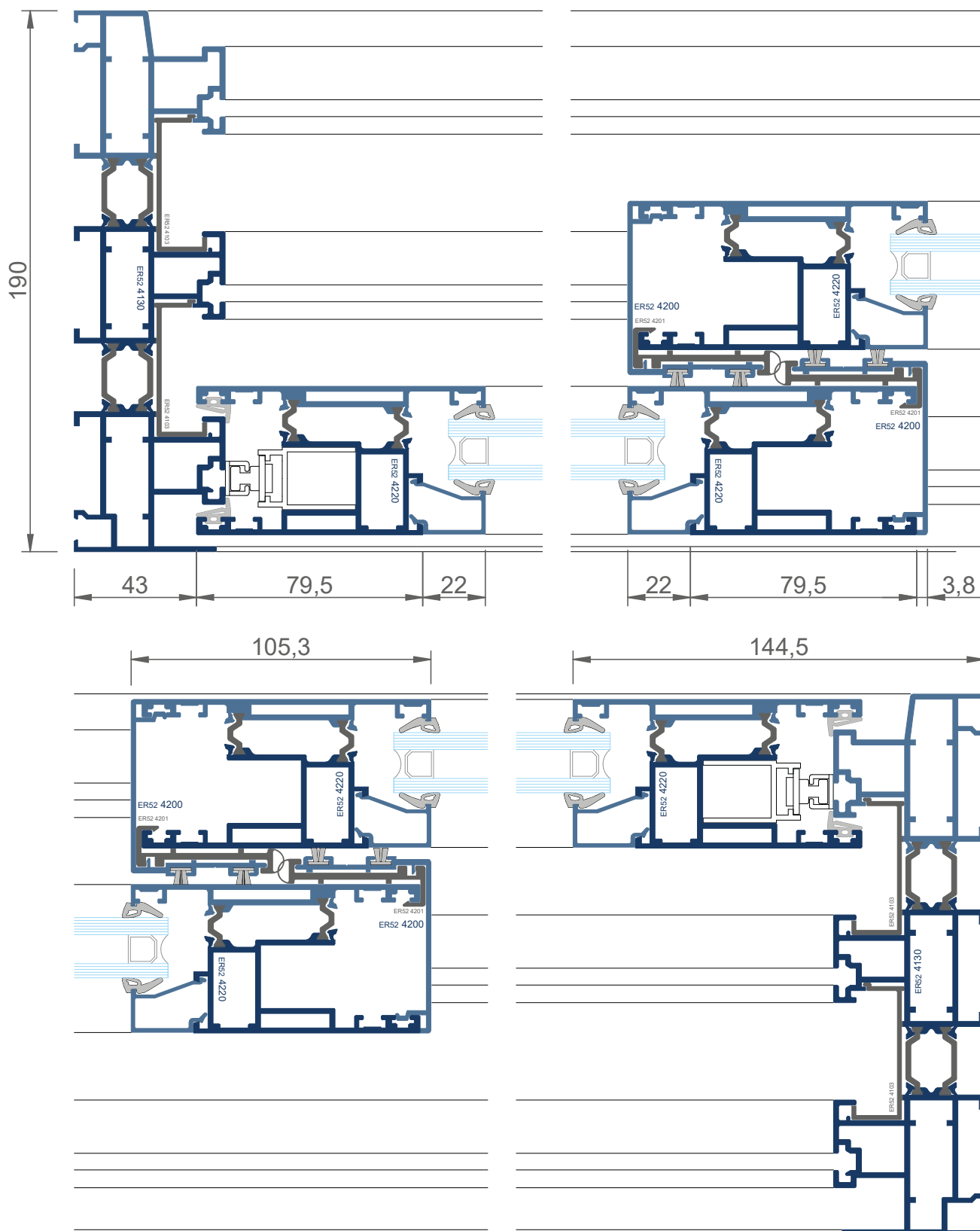




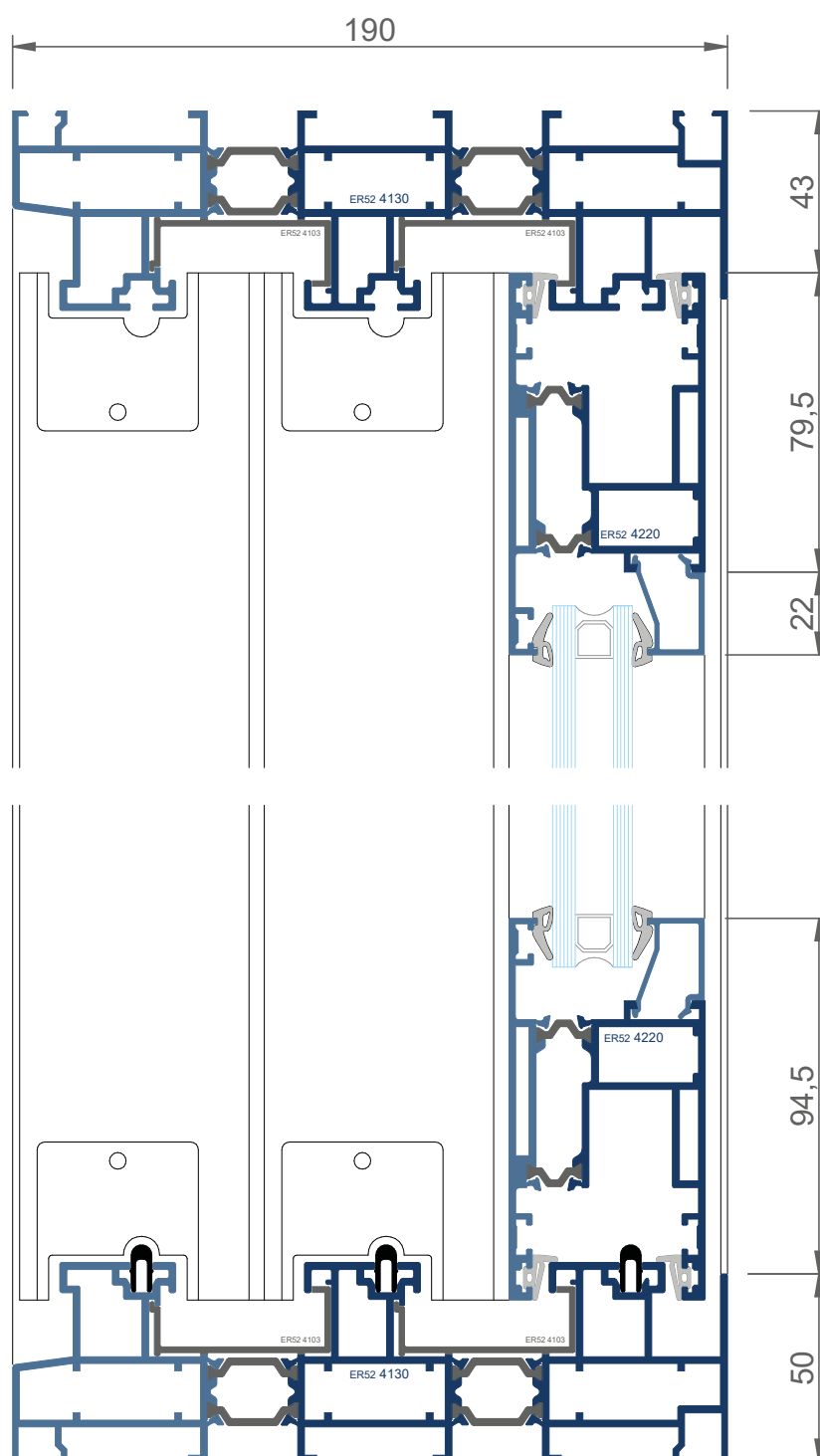
escala 1:2



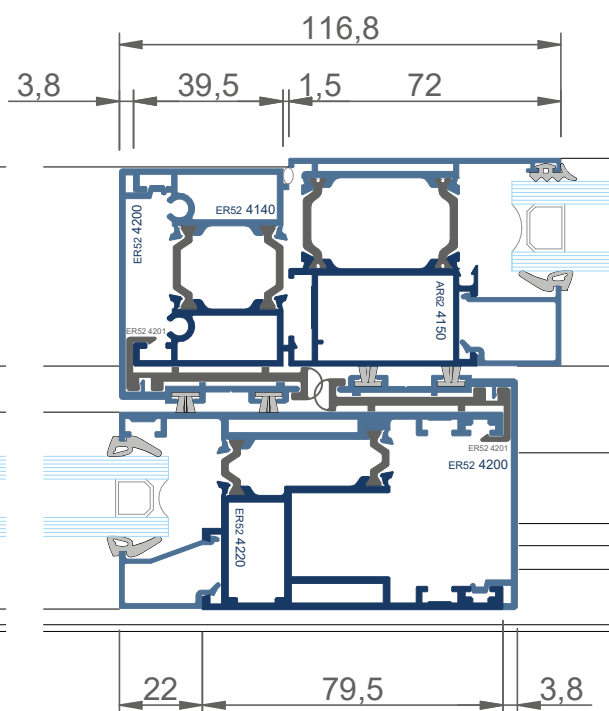
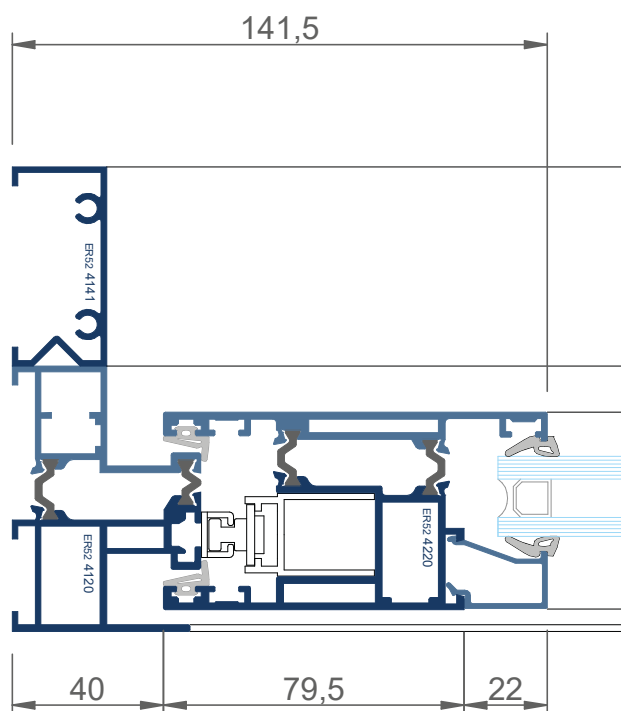
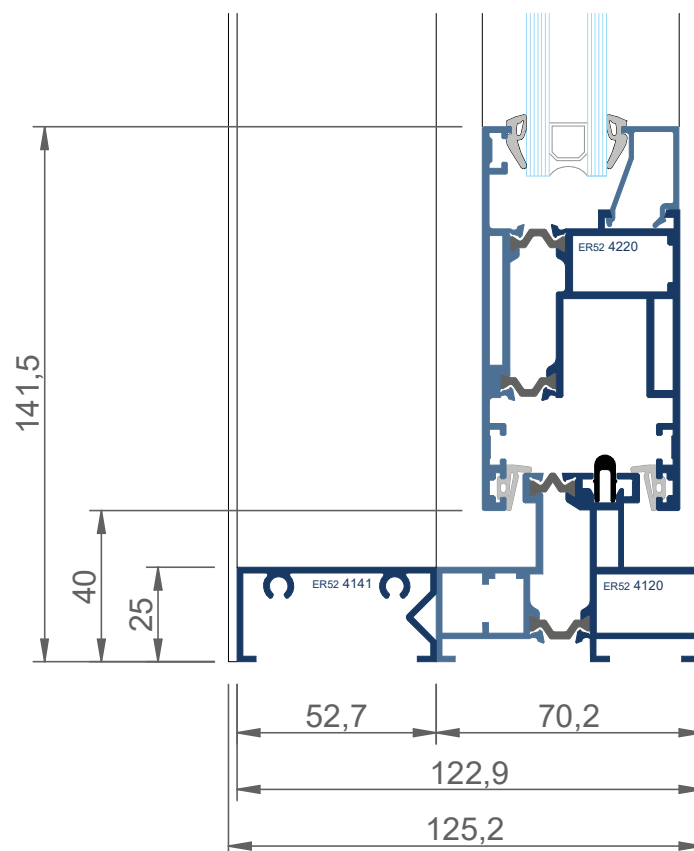
escala 1:2

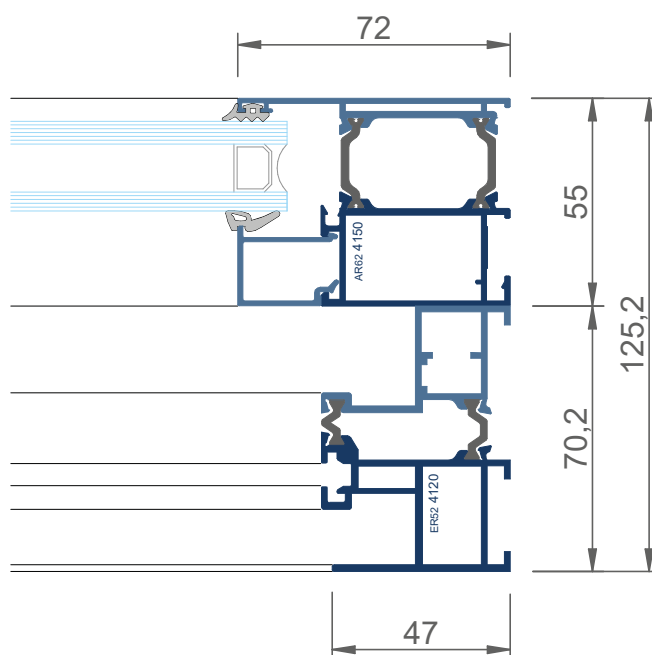
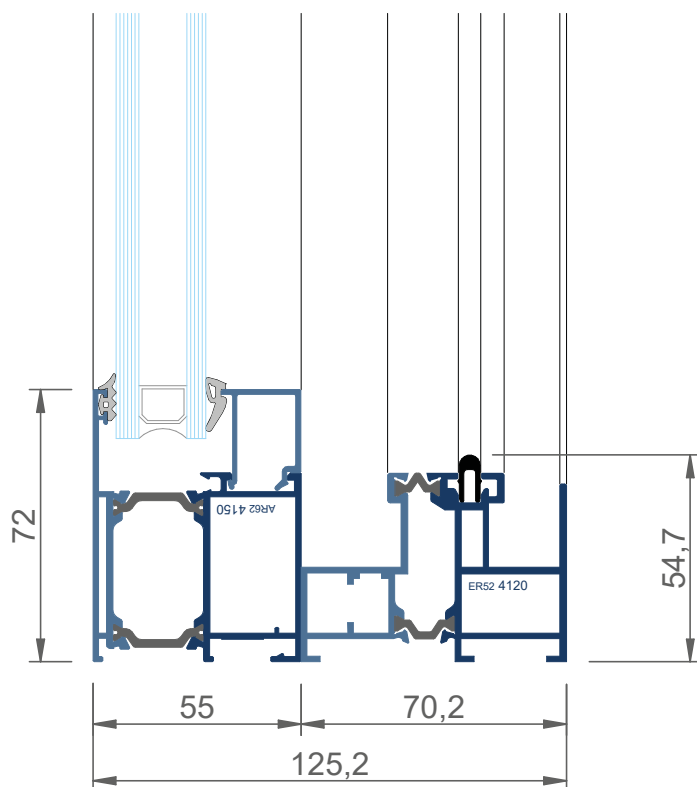


escala 1:2

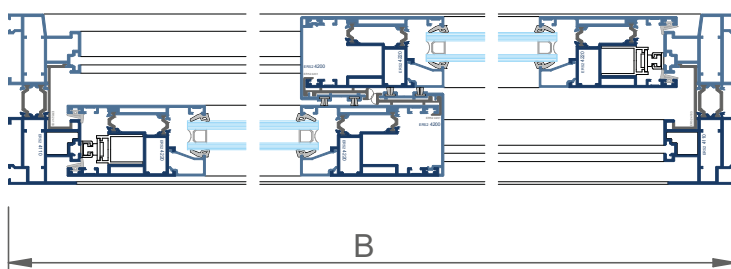
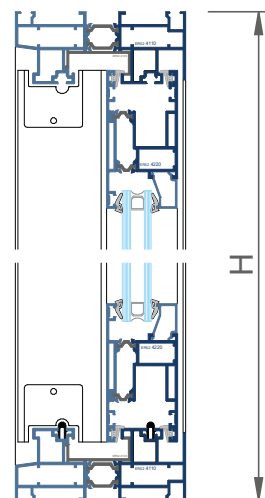
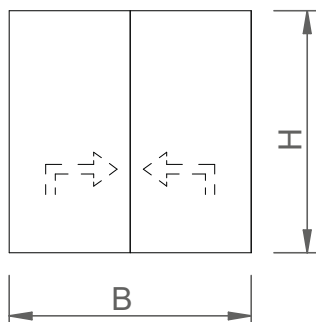


escala 1:2





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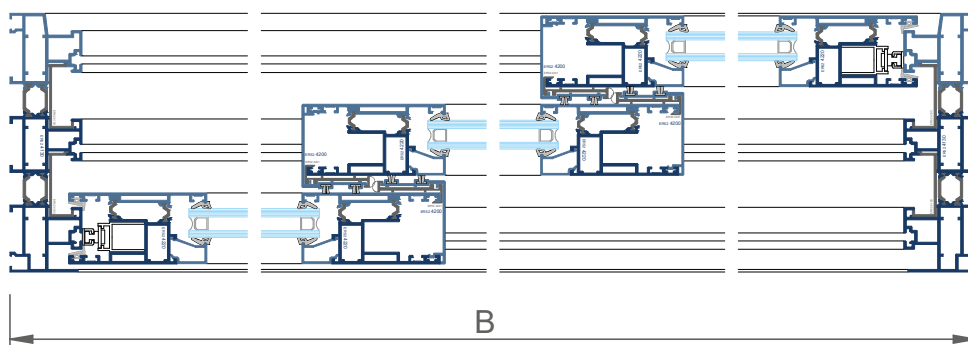
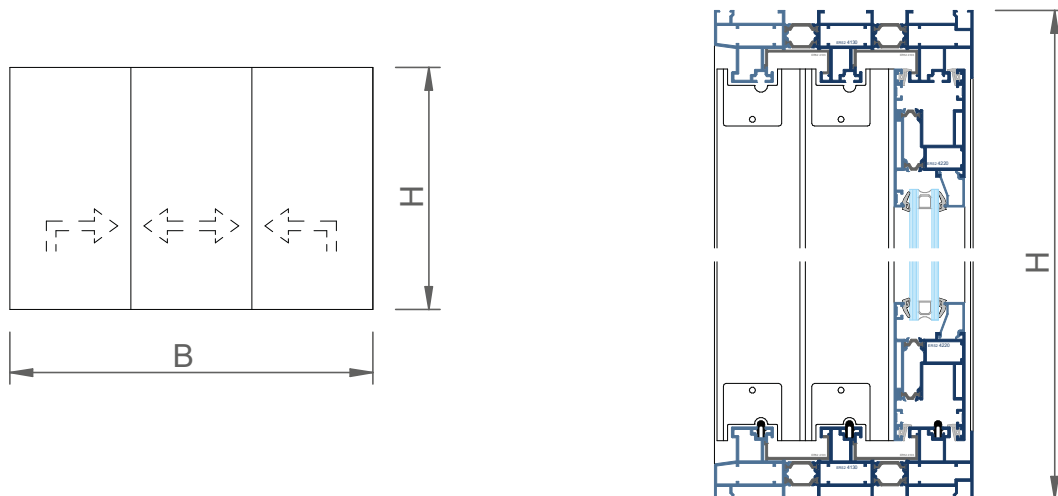
FORMULAS DE CORTE

		UDS	FORMULA	FORMA
marco horizontal	ER52.4110	2	B	\ --- /
marco vertical	ER52.4110	2	H	\ --- /
hoja horizontal	ER52.4220	4	$(B+10)/2$	\ --- /
hoja vertical	ER52.4220	4	H-87	\ --- /
perfil cruce aluminio	ER52.4200	2	H-87	---
perfil cruce termico	ER52.4201	2	H-87	---
U cubre carril	ER52.4103	2	B	\ --- /
U cubre carril	ER52.4103	2	H	\ --- /
rail de rodadura	ER52.4100	2	B	---
junquillo horizontal	A000.XXXX	4	$(B-306)/2$	---
junquillo vertical	A000.XXXX	4	H-289	---

vidrio 2 $(B-352)/2 \times H-267$

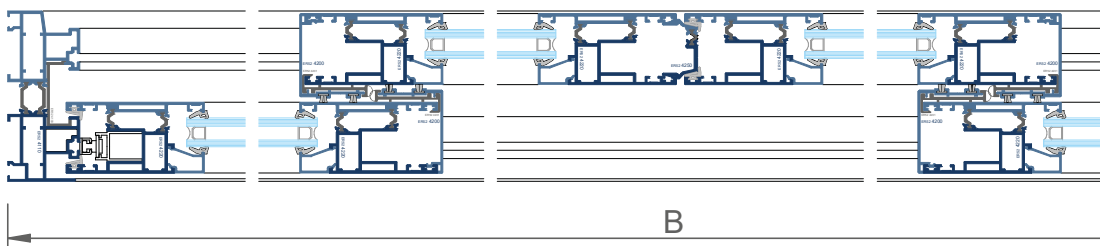
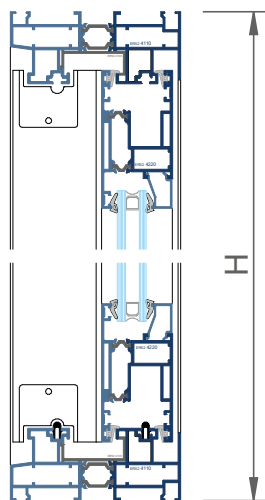
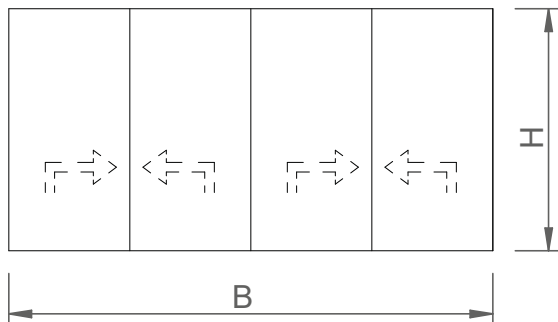
ACCESORIOS

		UDS
escuadra marco y hoja	ER52.2110	16
escuadra alineacion hoja	ER52.2140	16
cortavientos inferior elevable	ER52.2343	1
cortavientos superior elevable	ER52.2344	1
deflector con válvula	ER52.2300	4
junta hoja elevable	ER52.2320	4B+4H
juego tapas de cruce	ER52.3100	2
felpa vertical central	A000.2365	4H
kit hoja elevable	ER52.0900	2
junta ranura marco	CR46.2301	2B+4H
horquilla guia superior hoja	ER52.2346	4



FÓRMULAS DE CORTE				
		UDS	FÓRMULA	FORMA
marco horizontal	ER52.4130	2	B	\---/
marco vertical	ER52.4130	2	H	\---/
hoja horizontal	ER52.4220	6	$(B+110)/3$	\---/
hoja vertical	ER52.4220	6	H-87	\---/
perfil cruce aluminio	ER52.4200	4	H-87	---
perfil cruce termico	ER52.4201	4	H-87	---
U cubre carril	ER52.4103	4	B	\---/
U cubre carril	ER52.4103	4	H	\---/
rail de rodadura	ER52.4100	3	B	---
junquillo horizontal	A000.XXXX	6	$(B-366)/3$	---
junquillo vertical	A000.XXXX	6	H-289	---
vidrio	3		$(B-426)/3 \times H-267$	

ACCESORIOS			UDS
escuadra marco y hoja	ER52.2110		24
escuadra alineacion hoja	ER52.2140		24
cortavientos inferior elevable	ER52.2343		2
cortavientos superior elevable	ER52.2344		2
deflector con válvula	ER52.2300		8
junta hoja elevable	ER52.2320		$4B+6H$
juego tapas de cruce	ER52.3100		4
felpa vertical central	A000.2365		$8H$
kit hoja elevable	ER52.0900		3
junta ranura marco	CR46.2301		$3B+6H$
horquilla guia superior hoja	ER52.2346		6



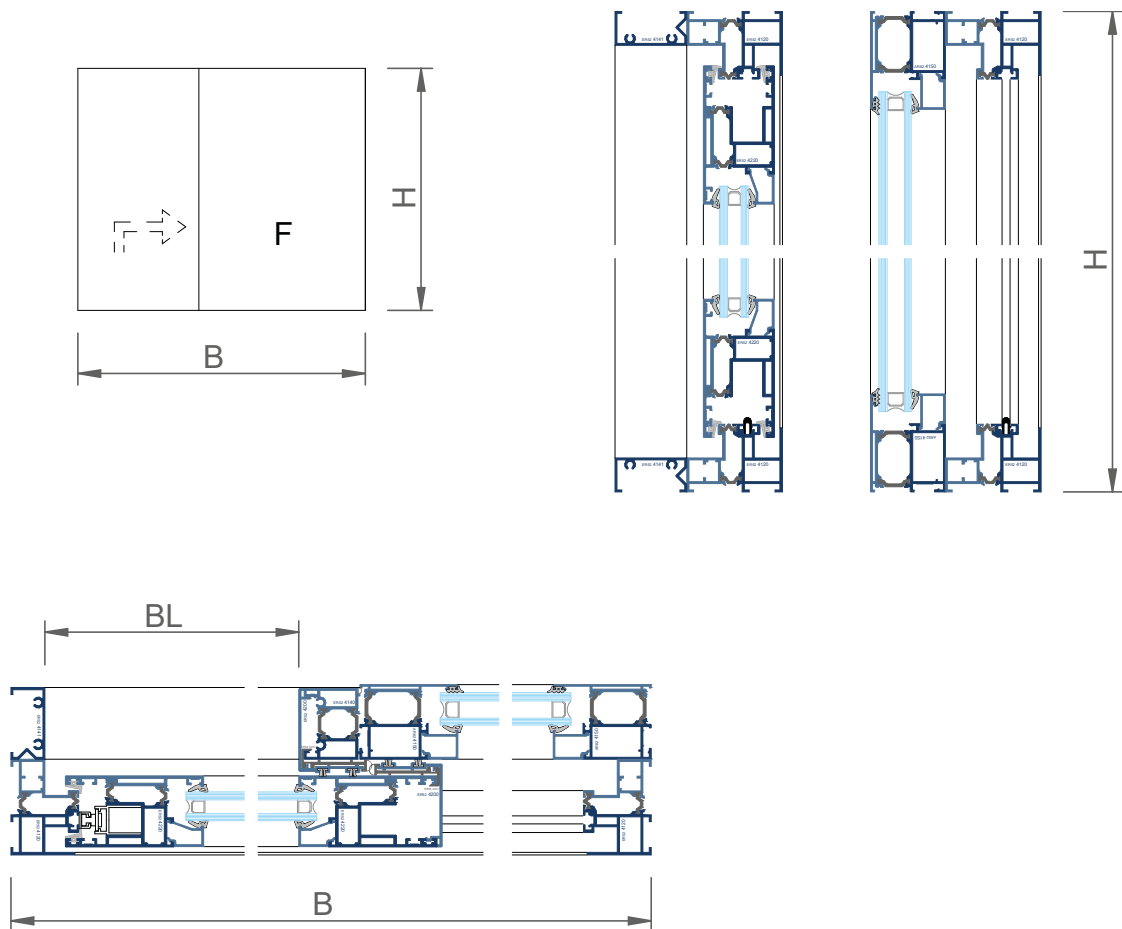
FORMULAS DE CORTE

		UDS	FORMULA	FORMA
marco horizontal	ER52.4110	2	B	\---/
marco vertical	ER52.4110	2	H	\---/
hoja horizontal	ER52.4220	8	$(B+104)/4$	\---/
hoja vertical	ER52.4220	8	H-87	\---/
perfil cruce aluminio	ER52.4200	4	H-87	---
perfil cruce termico	ER52.4201	4	H-87	---
U cubre carril	ER52.4103	2	B	\---/
U cubre carril	ER52.4103	2	H	\---/
rail de rodadura	ER52.4100	2	B	---
perfil kiss	ER52.4250	1	H-87	---
junquillo horizontal	A000.XXXX	8	$(B-528)/4$	---
junquillo vertical	A000.XXXX	8	H-289	---

vidrio 4 $(B-612)/4 \times H-267$

ACCESORIOS

		UDS
escuadra marco y hoja	ER52.2110	24
escuadra alineacion hoja	ER52.2140	32
cortavientos inferior elevable	ER52.2343	2
cortavientos superior elevable	ER52.2344	2
deflector con válvula	ER52.2300	6
junta hoja elevable	ER52.2320	4B+6H
juego tapas de cruce	ER52.3100	4
felpa vertical central	A000.2365	8H
kit hoja elevable	ER52.0900	3
junta ranura marco	CR46.2301	2B+4H
horquilla guia superior hoja	ER52.2346	8



Fórmulas de corte				
		UDS	Fórmula	Forma
marco monocarril horizontal	ER52.4120	2	B	--- /
marco monocarril vertical	ER52.4120	2	H	--- /
hoja horizontal	ER52.4220	2	BL+86	--- /
hoja vertical	ER52.4220	2	H-82	--- /
perfil cruce aluminio	ER52.4200	1	H-82	---
perfil cruce termico	ER52.4201	1	H-82	---
perfil cruce aluminio (fijo)	ER52.4200	1	H-50	---
perfil cruce termico (fijo)	ER52.4201	1	H-50	---
perfil exterior	ER52.4141	1	H	---
perfil exterior	ER52.4141	2	BL	---
comp central monocarril	ER52.4140	1	H-50	---
marco fijo vertical	AR62.4150	2	H	--- /
marco fijo horizontal	AR62.4150	2	(B-BL)-69	--- /
rail de rodadura	ER52.4100	1	B	---
perfil kiss	ER52.4250	1	H-87	---
junquillo horizontal hoja	A000.XXXX	2	BL-72	---
junquillo vertical hoja	A000.XXXX	2	H-285	---
junquillo horizontal fijo	A000.XXXX	2	(B-BL)-169	---
junquillo vertical fijo	A000.XXXX	2	H-143	---
vidrio hoja	1		BL-90 x H-257	
vidrio fijo	1		(B-BL)-187 x H-120	

Accesorios		
		UDS
escuadra marco y hoja	ER52.2110	8
escuadra alineacion hoja	ER52.2140	8
cortavientos inferior elevable	ER52.2343	1
cortavientos superior elevable	ER52.2344	1
deflector con válvula	ER52.2300	2
junta hoja elevable	ER52.2320	2B+2H
juego tapas de cruce	ER52.3100	1
felpa vertical central	A000.2365	4H
kit hoja elevable	ER52.0900	1
escuadra fijo	A000.2113	4
junta ranura marco	CR46.2301	1B+2H
horquilla guía superior hoja	ER52.2346	2

Ventanas para **vivir mejor**



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