

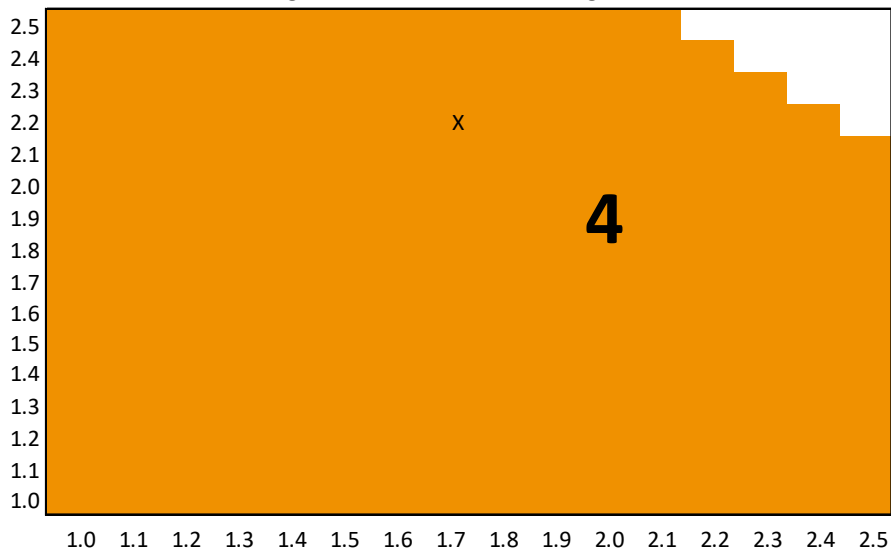
THERMIA® AR78+

Serie para ventanas practicables con RPT

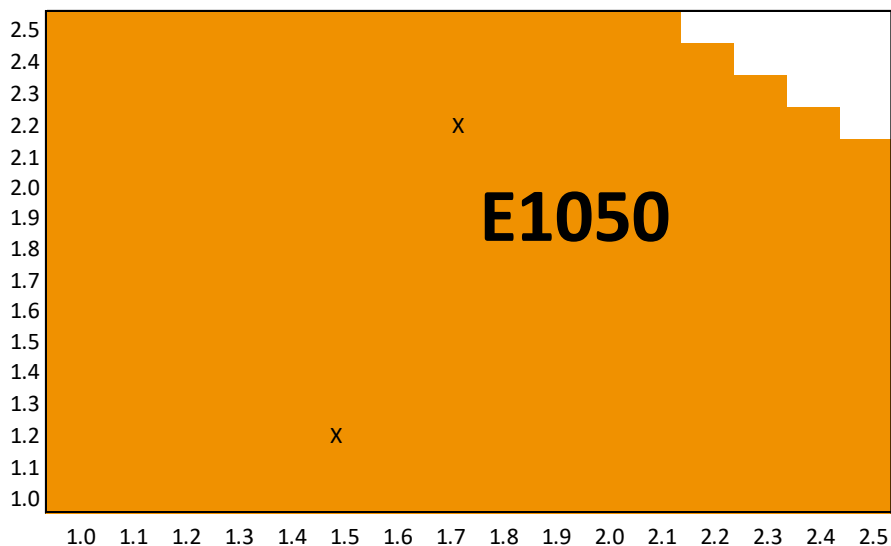


Ventanas para vivir mejor

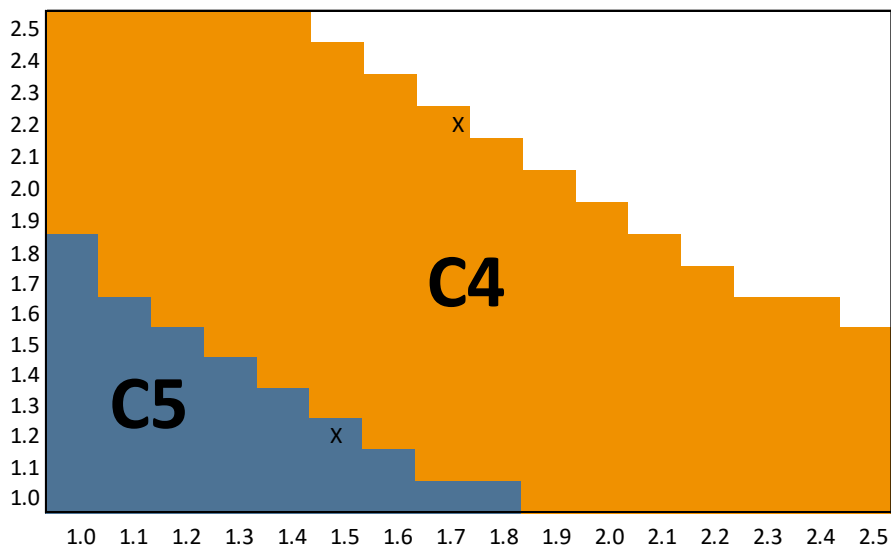
PERMEABILIDAD AL AIRE según EN 12207 - Marcado CE según EN 14351-1:2006+A2:2016



ESTANQUIDAD AL AGUA según EN 12208 - Marcado CE según EN 14351-1:2006+A2:2016

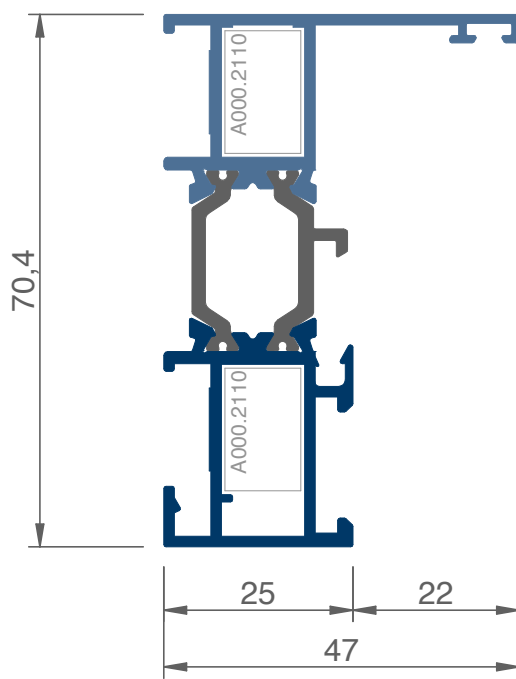


RESISTENCIA AL VIENTO según EN 12210 - Marcado CE según EN 14351-1:2006+A2:2016

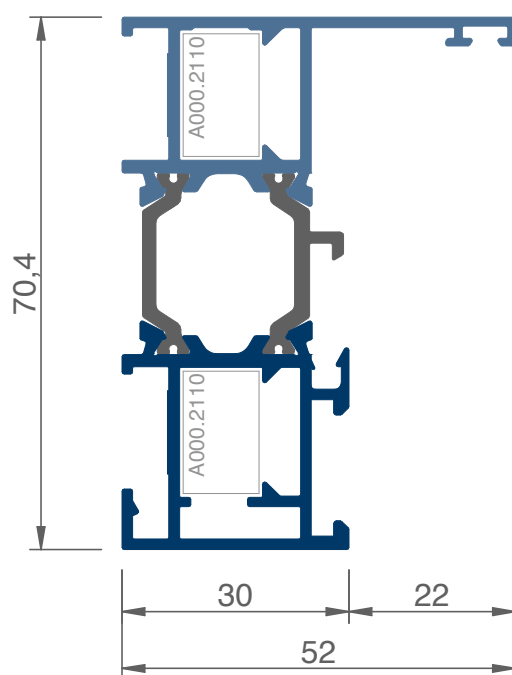


Resultados obtenidos de los informes según Applus con número de ensayo 16/12260-1263, y en base al Anexo E de la norma EN 14351-1:2006+A2:2016.

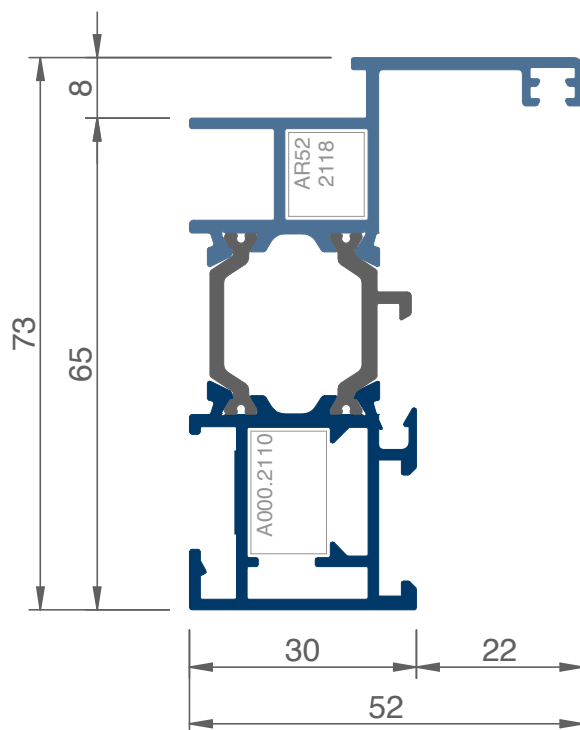
Diseño
Confort
Silencio



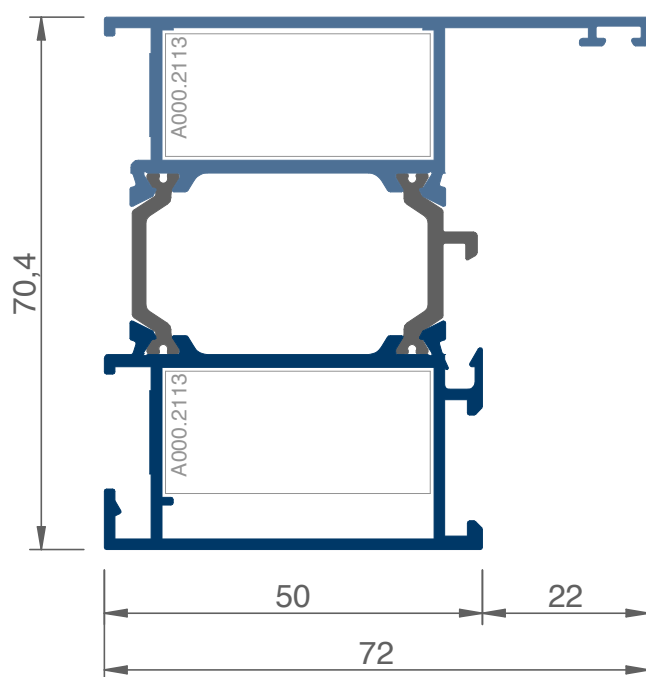
AR78+ 4115



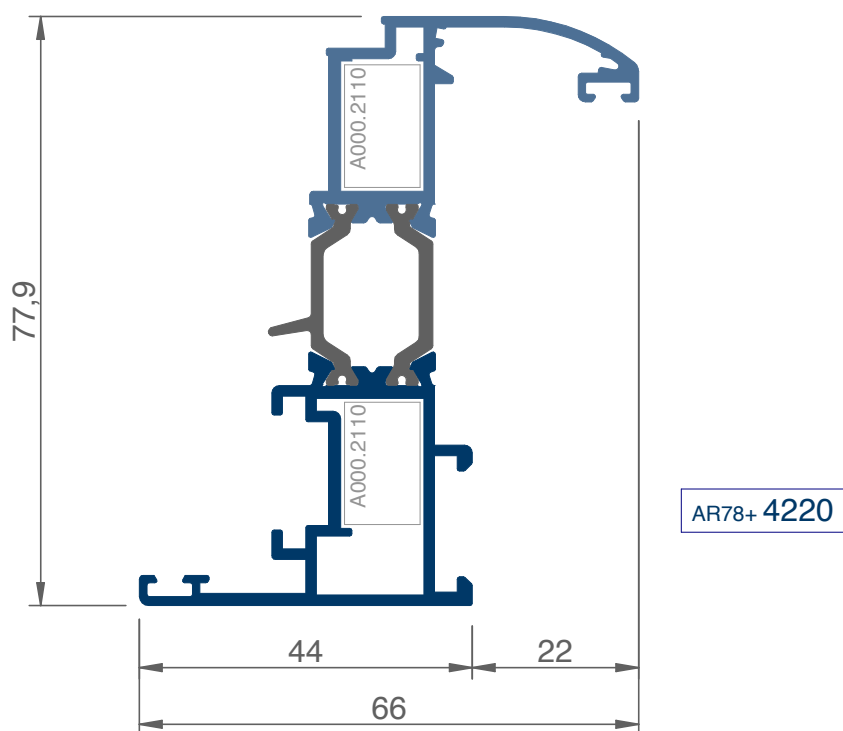
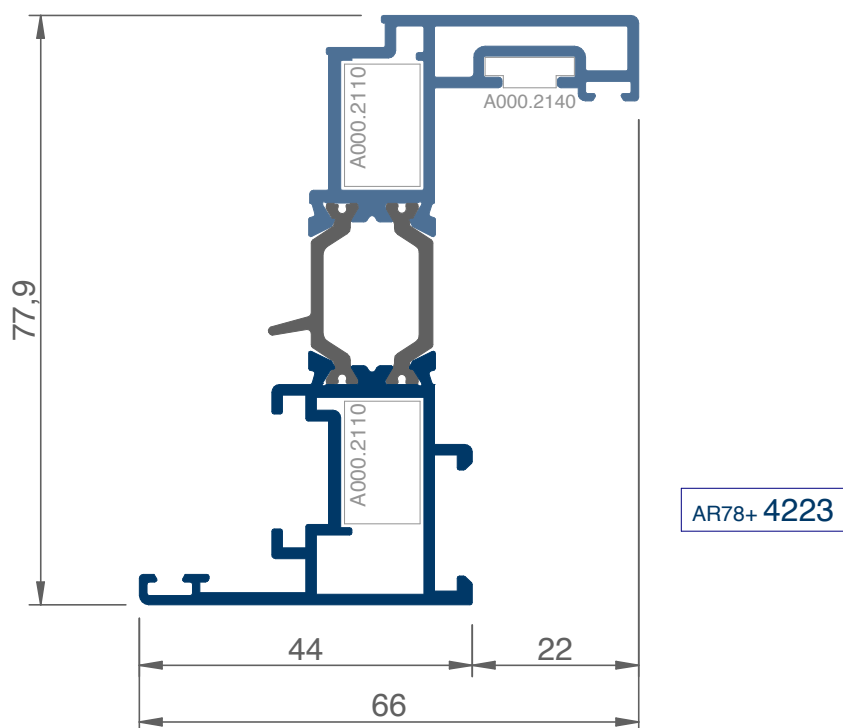
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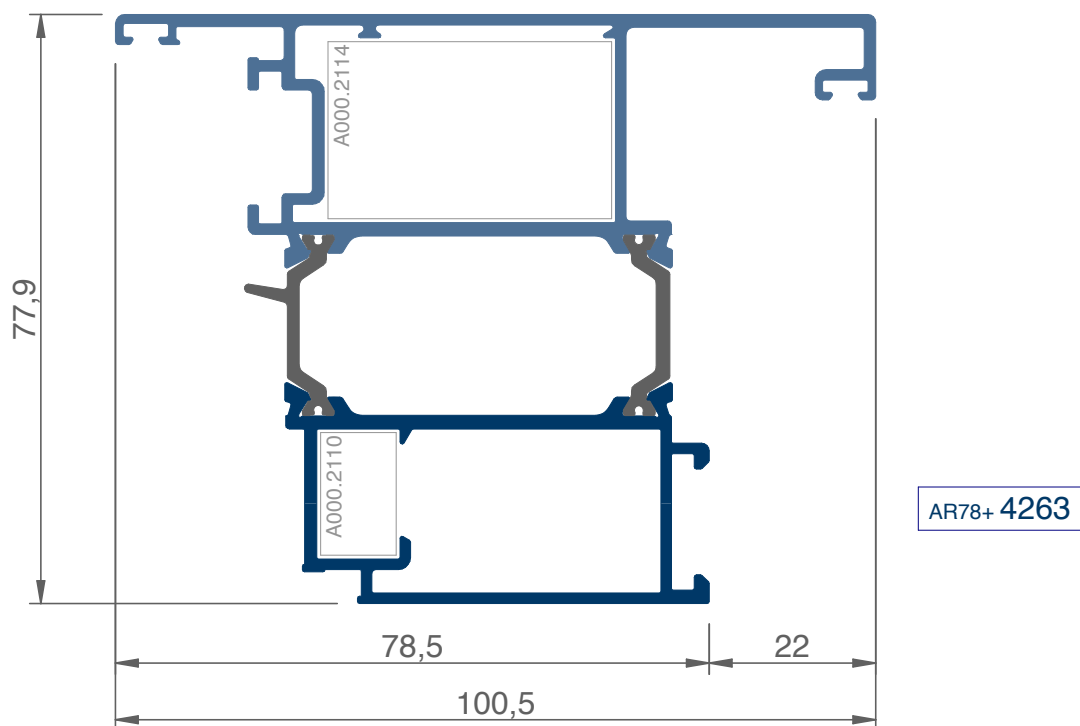
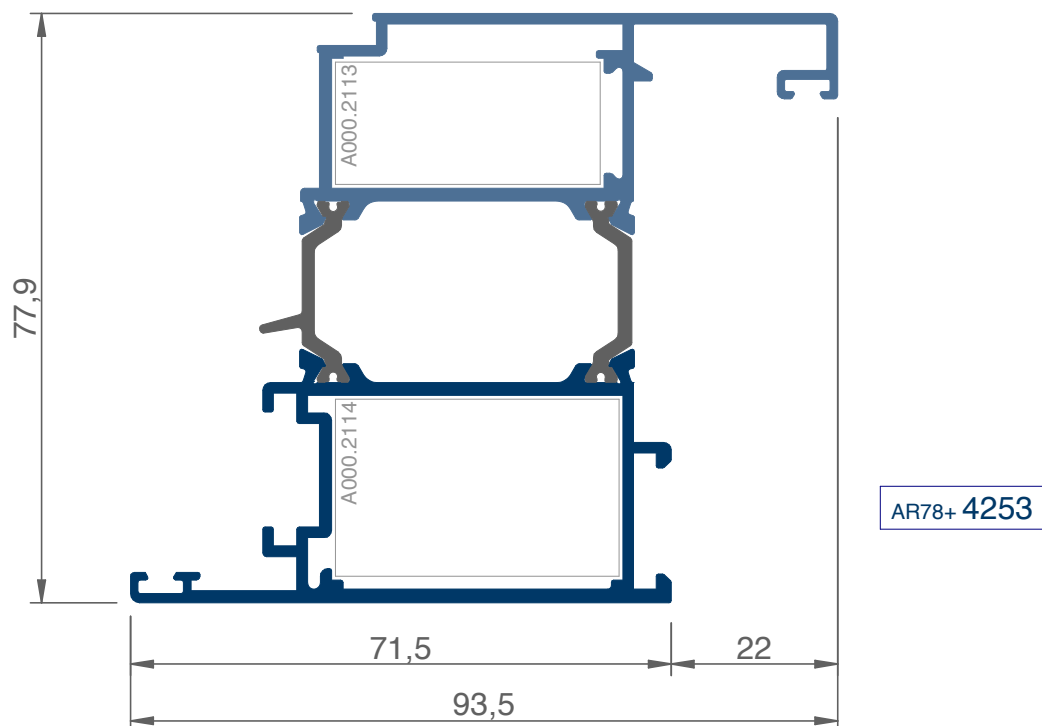


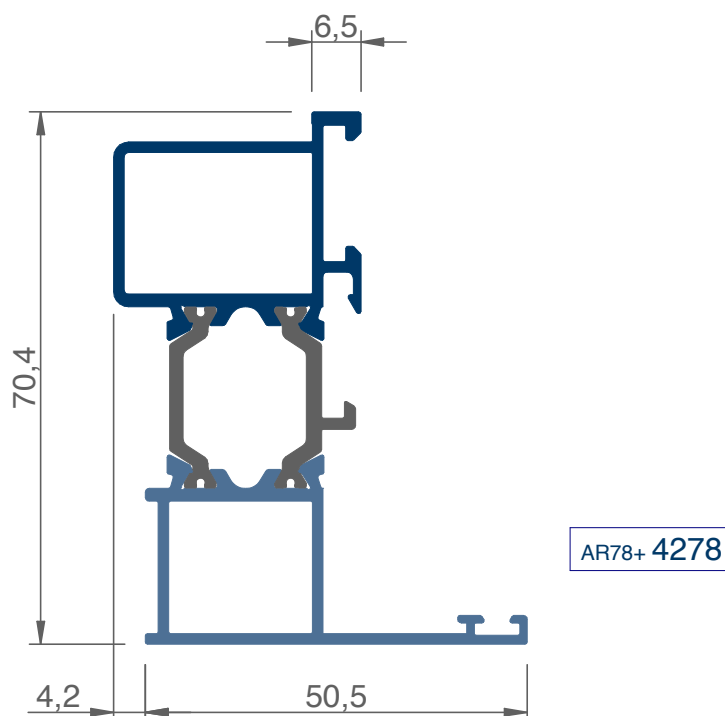
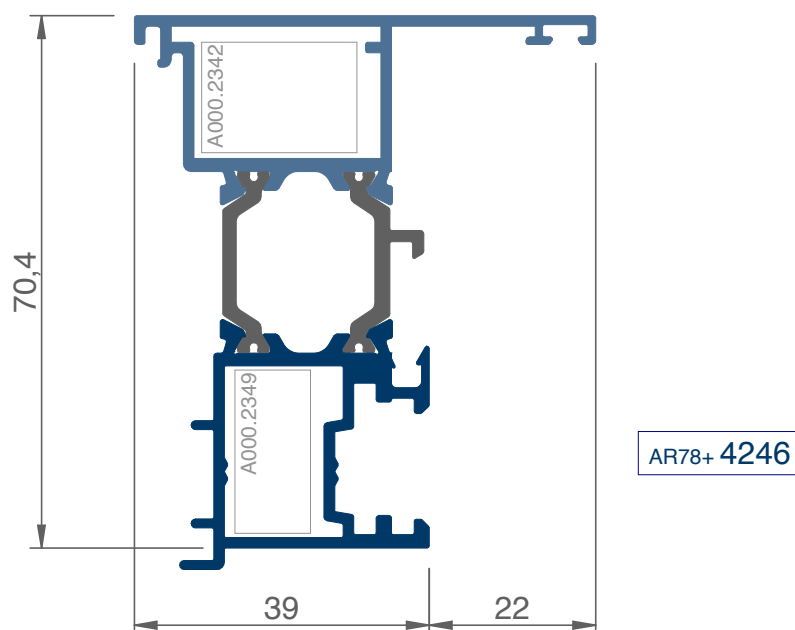
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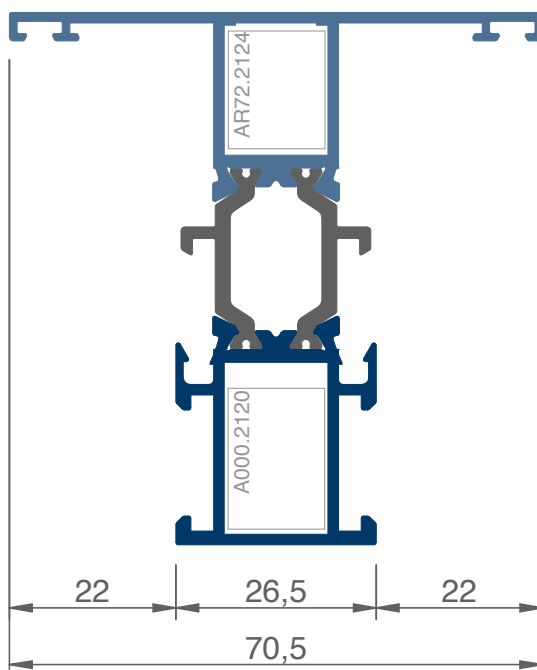


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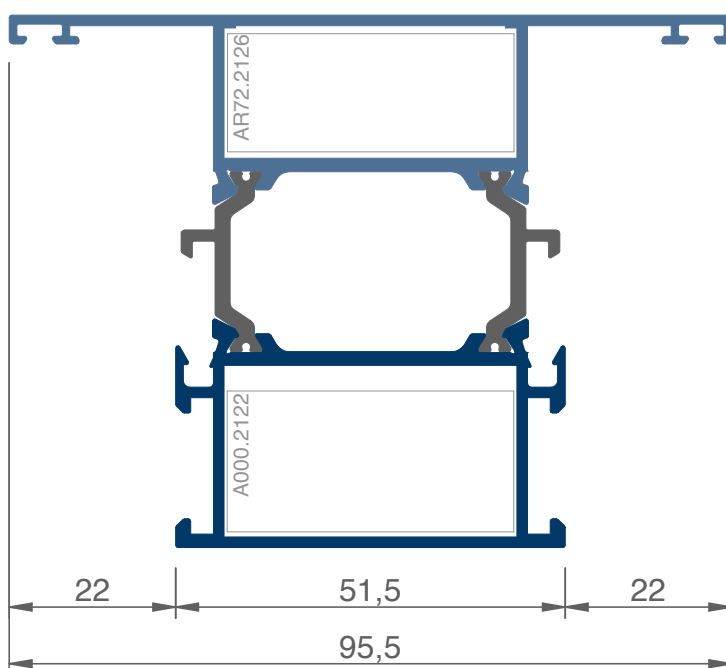




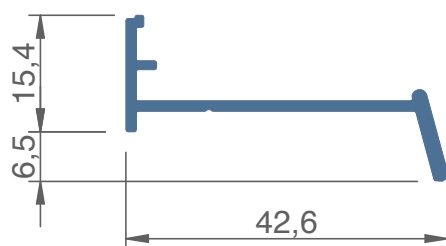




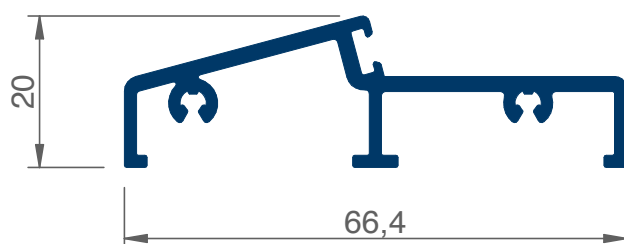
AR78+ 4315



AR78+ 4325

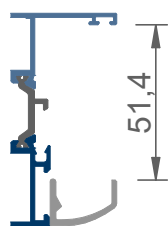


A000 4010

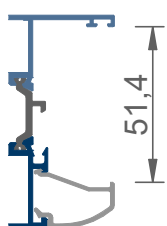


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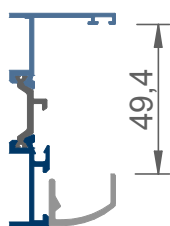
Diseño
Confort
Silencio



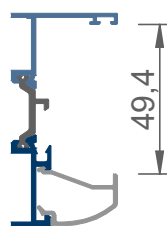
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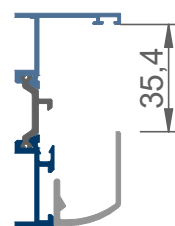
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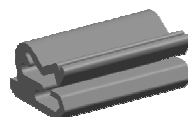
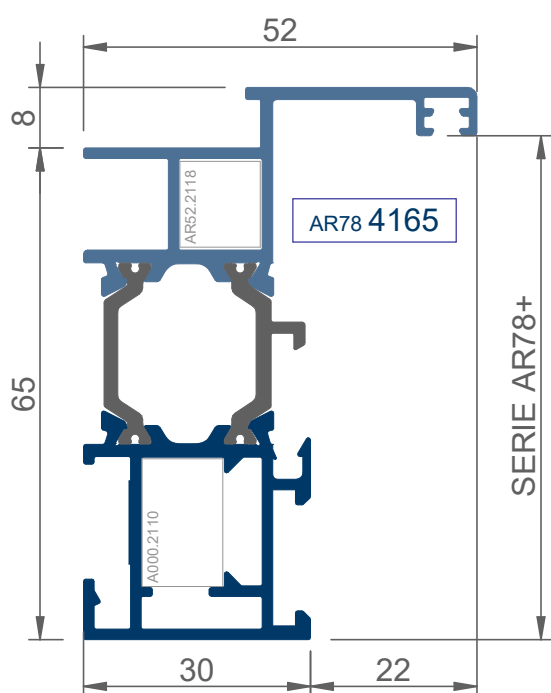
A000 4518



A000 4519



A000 4532



A000 2102

grapa junquillos
elípticos



A000 2315

junta exterior (1mm)



A000 2351

junta exterior (2mm)



A000 2352

junta exterior (6mm)



GC 1109

junta cuña (1,5mm)



GC 11012

junta cuña (2mm)



GC 11014

junta cuña (2,5mm)



A000 2353

junta cuña (3 a 5mm)



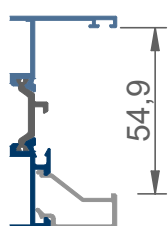
A000 2355

junta cuña (5 a 7mm)

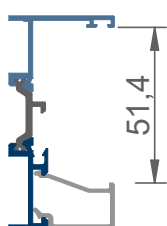


A000 2357

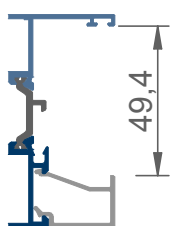
junta cuña (7 a 9mm)



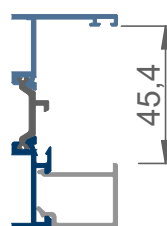
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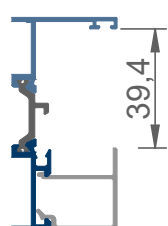
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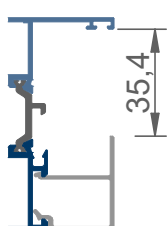
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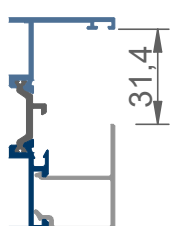
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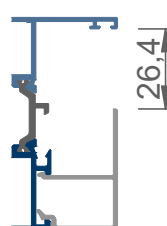
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A000 4531



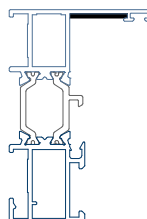
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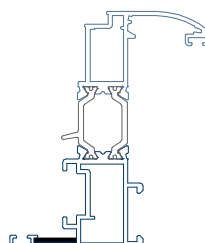
A000 4539

Diseño
Confort
Silencio

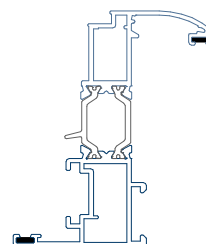
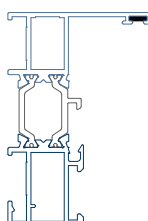
escuadra alineación alas exteriores



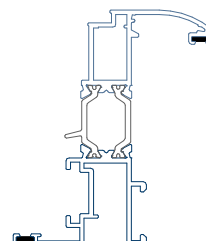
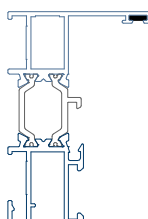
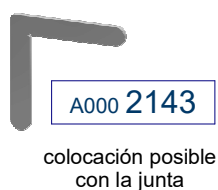
escuadra alineación ala cremona

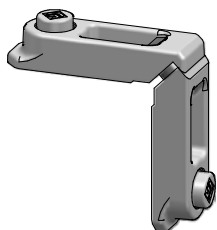


escuadra alineación multiuso

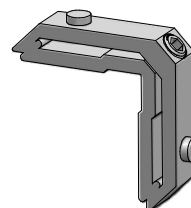


escuadra alineación multiuso (alojamiento juntas)

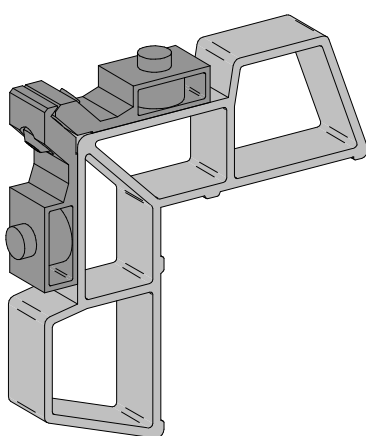




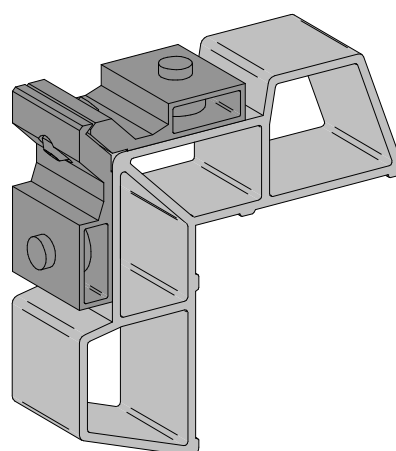
A000 2110
escuadra base



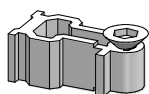
AR52 2118
escuadra exterior



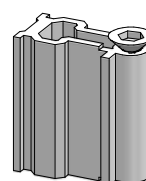
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escuadra hoja p.



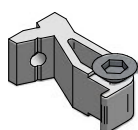
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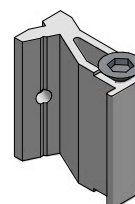
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unión travesaño



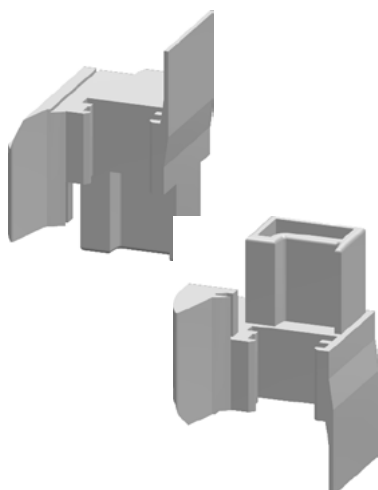
A000 2122
unión montante



AR78 2124
unión complementaria P

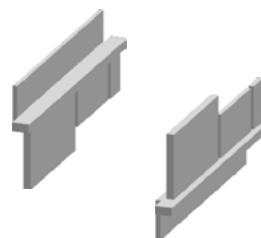


AR78 2126
unión complementaria G



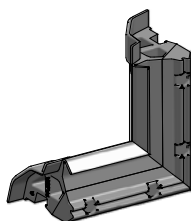
A000 2349

juego base tapas inv CE junta +



A000 2342

juego tapas ext inv recto



A000 2307

ángulo junta central series +



A000 2308

junta central series +



A000 2961

tapa intermedio perf. inv.



A000 2300

tapón deflector
con lámina

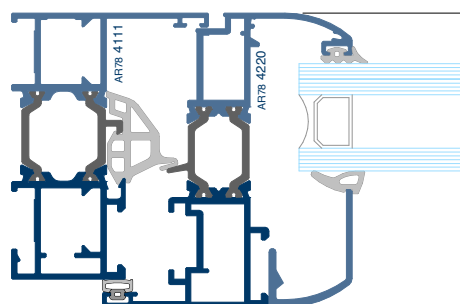
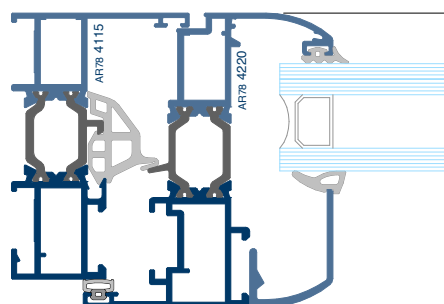
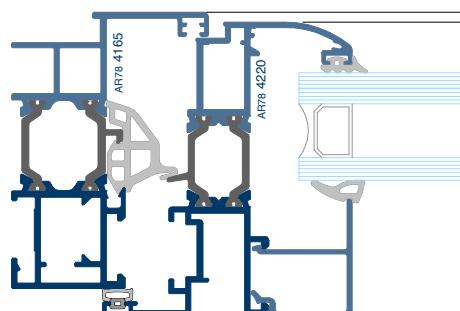
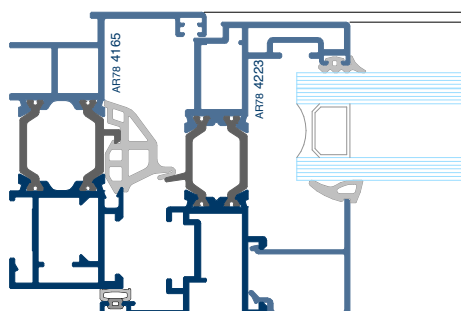
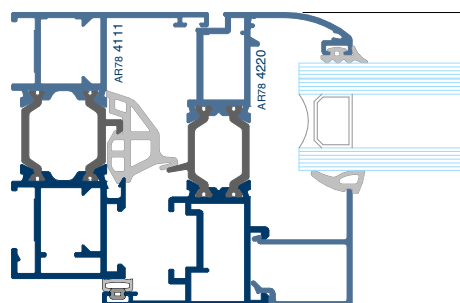
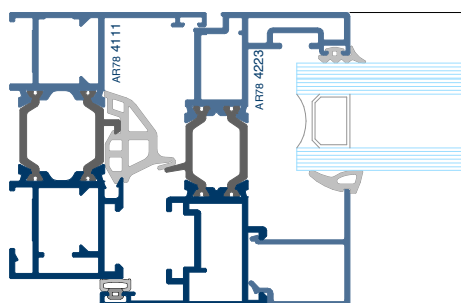
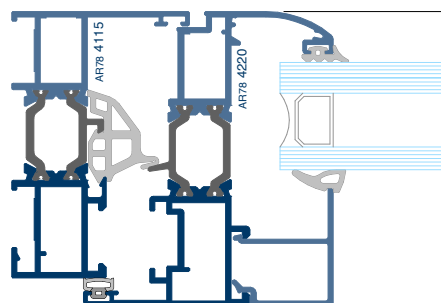
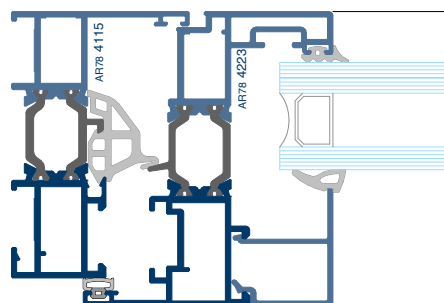


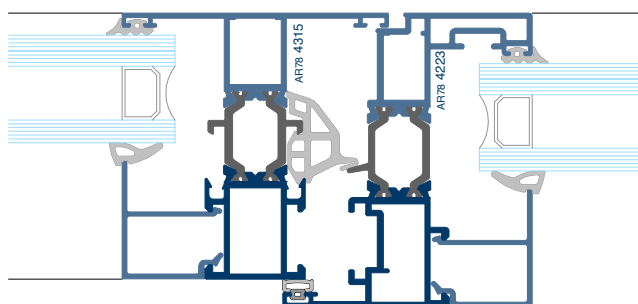
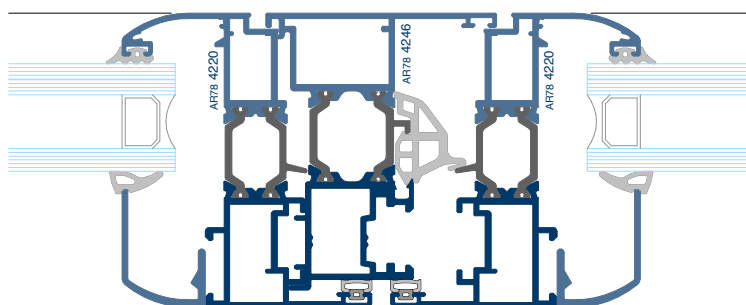
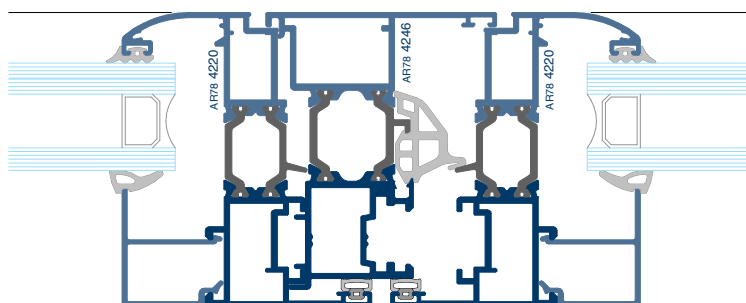
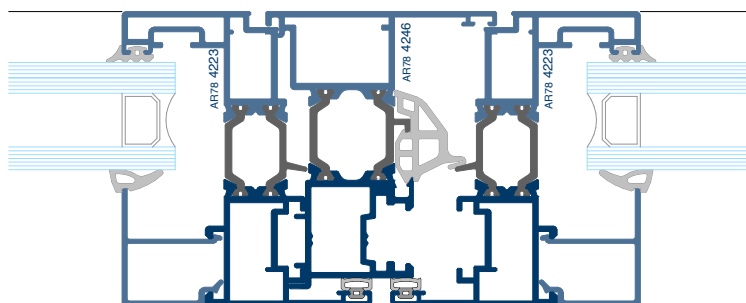
A000 2320

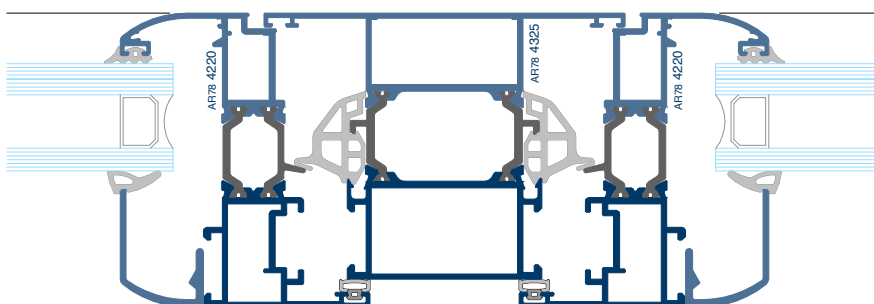
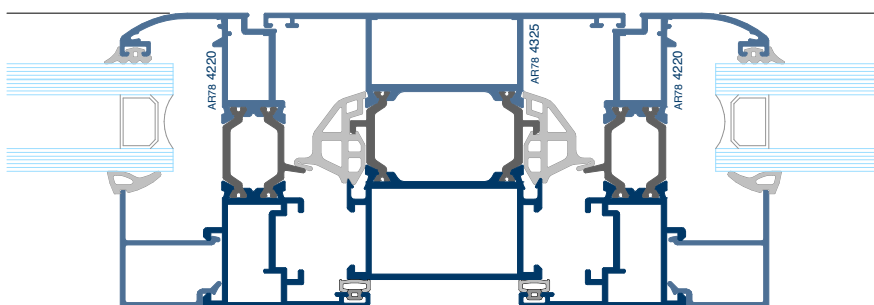
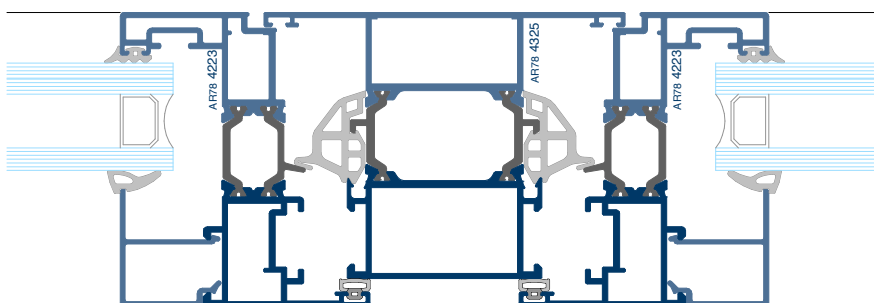
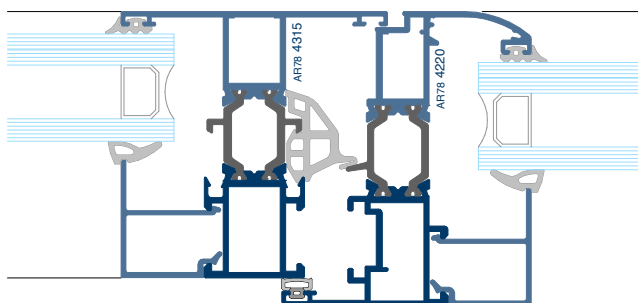
junta int hoja

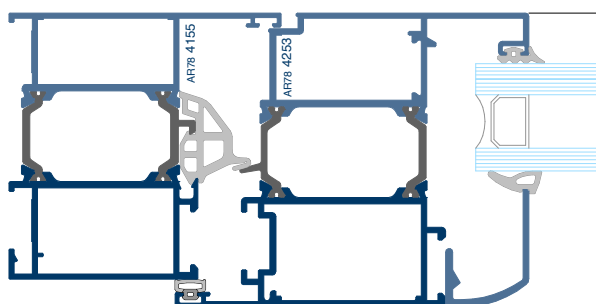
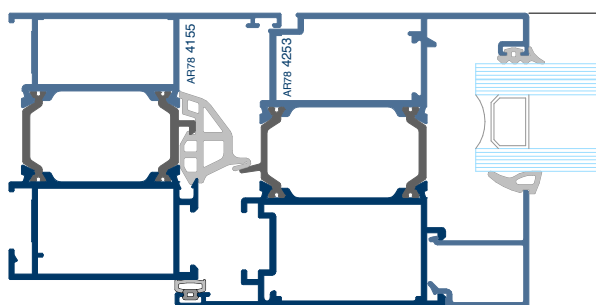
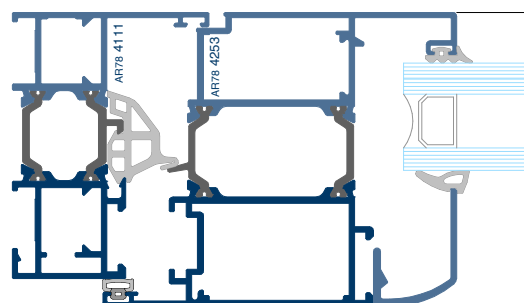
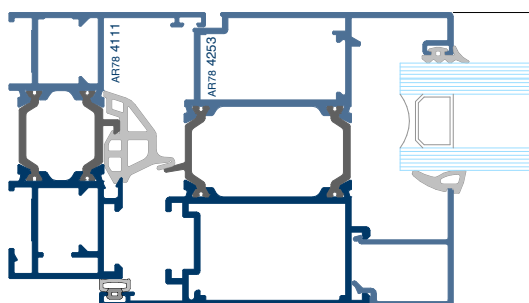
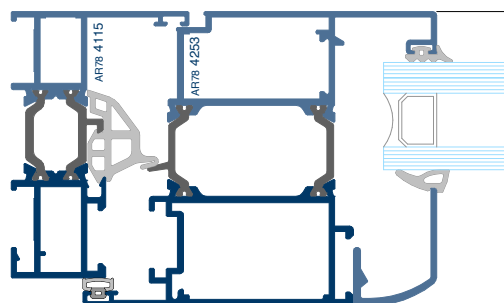
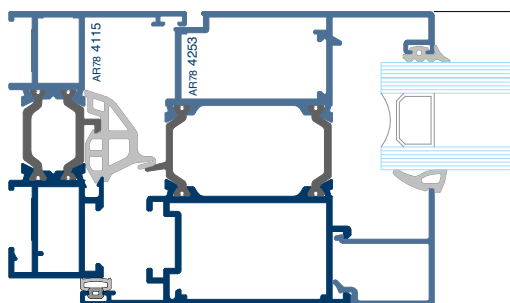
Para accesorios de Maniobra consultar catálogo específico

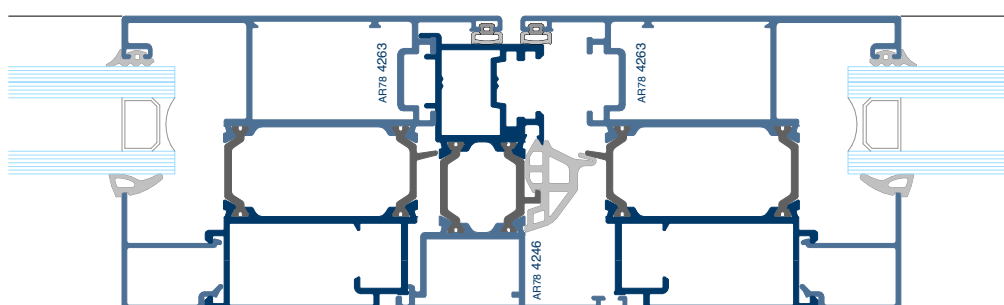
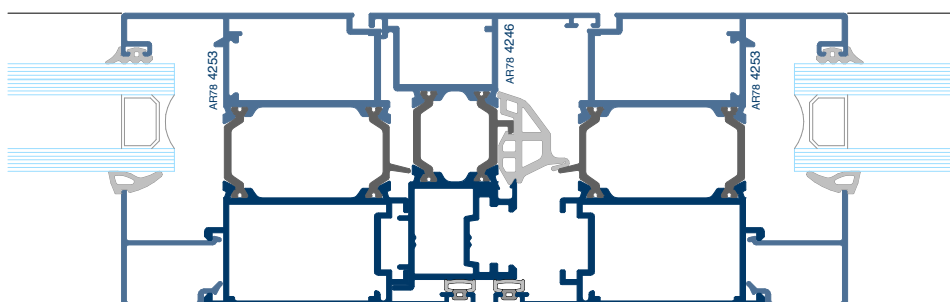
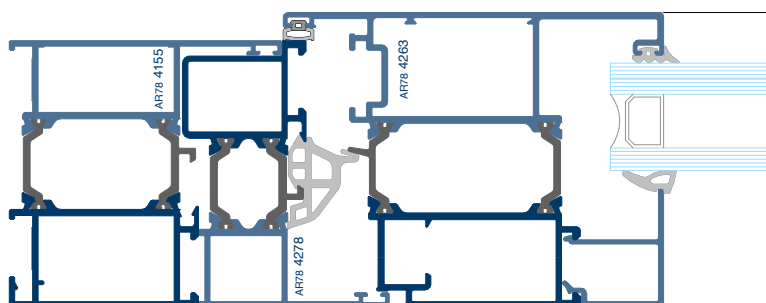
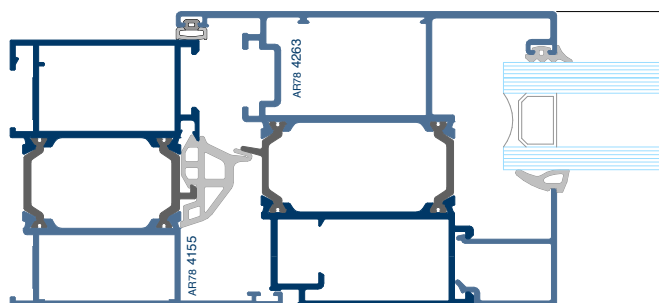
Diseño
Confort
Silencio

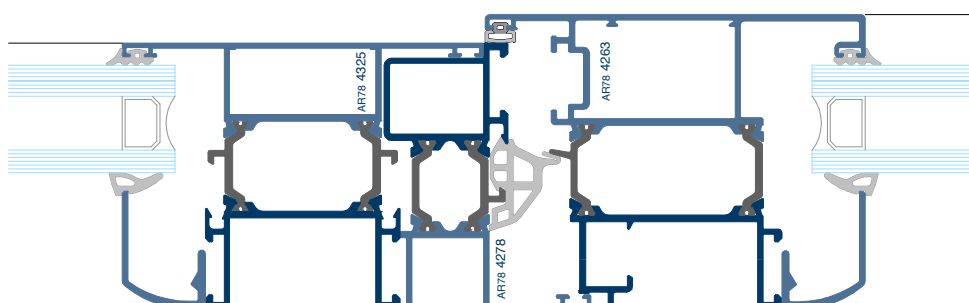
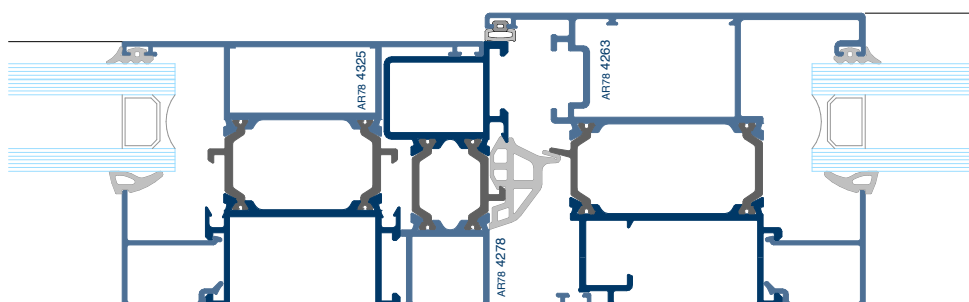
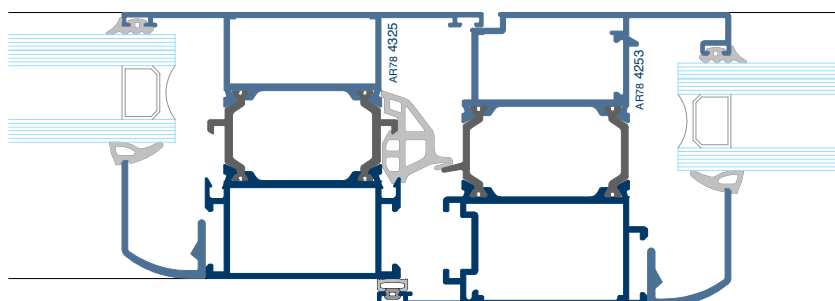
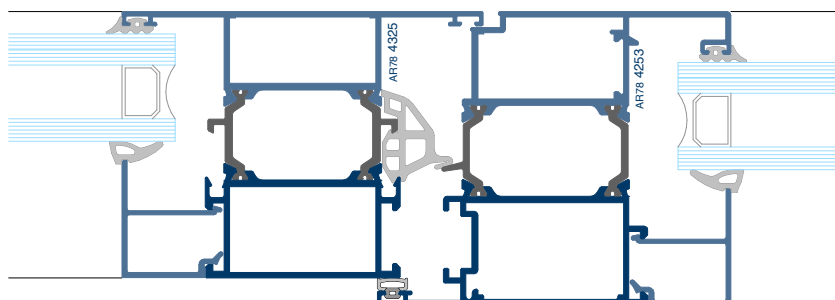


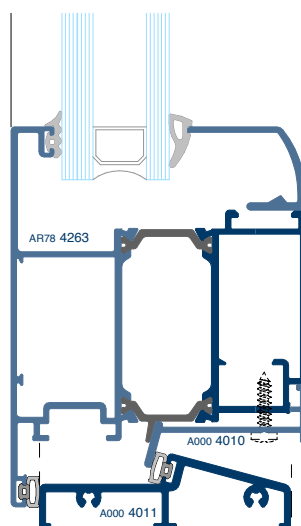
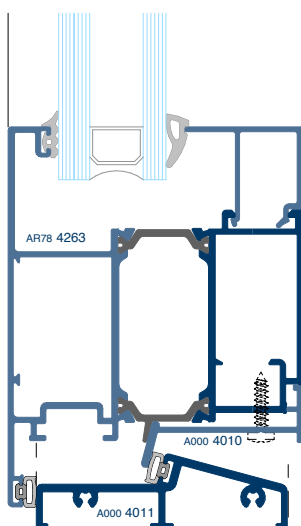
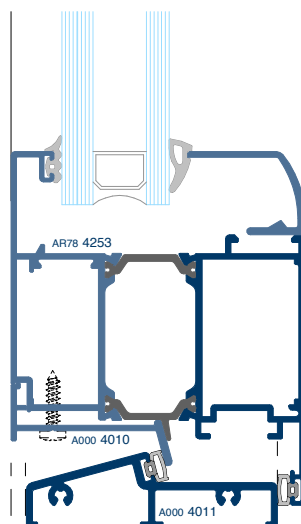
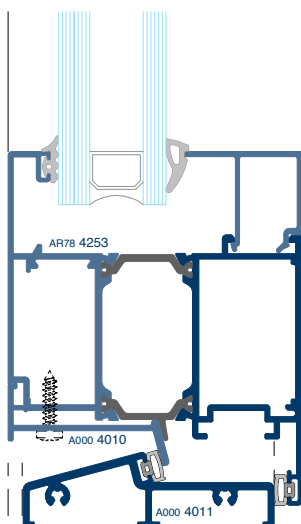


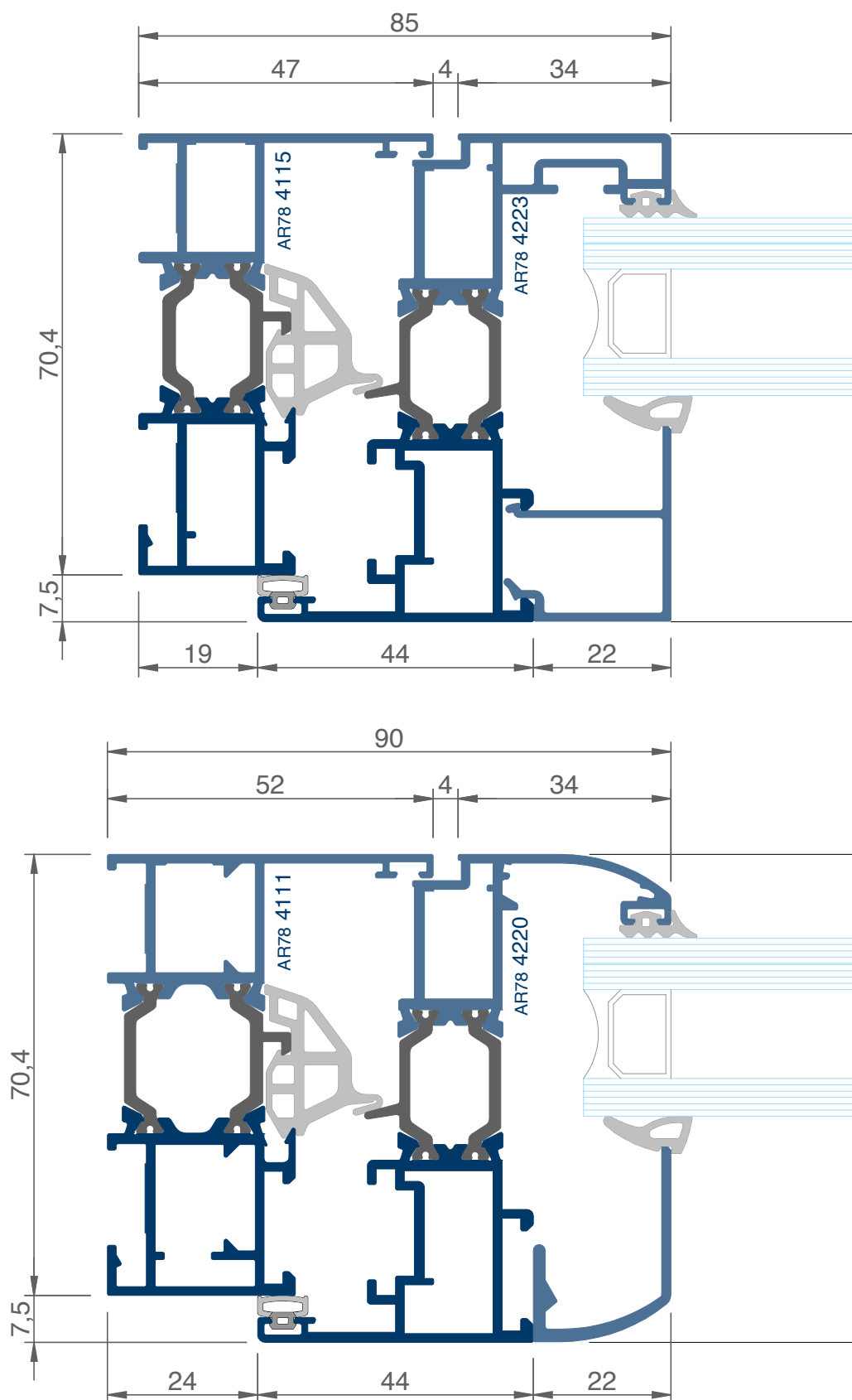


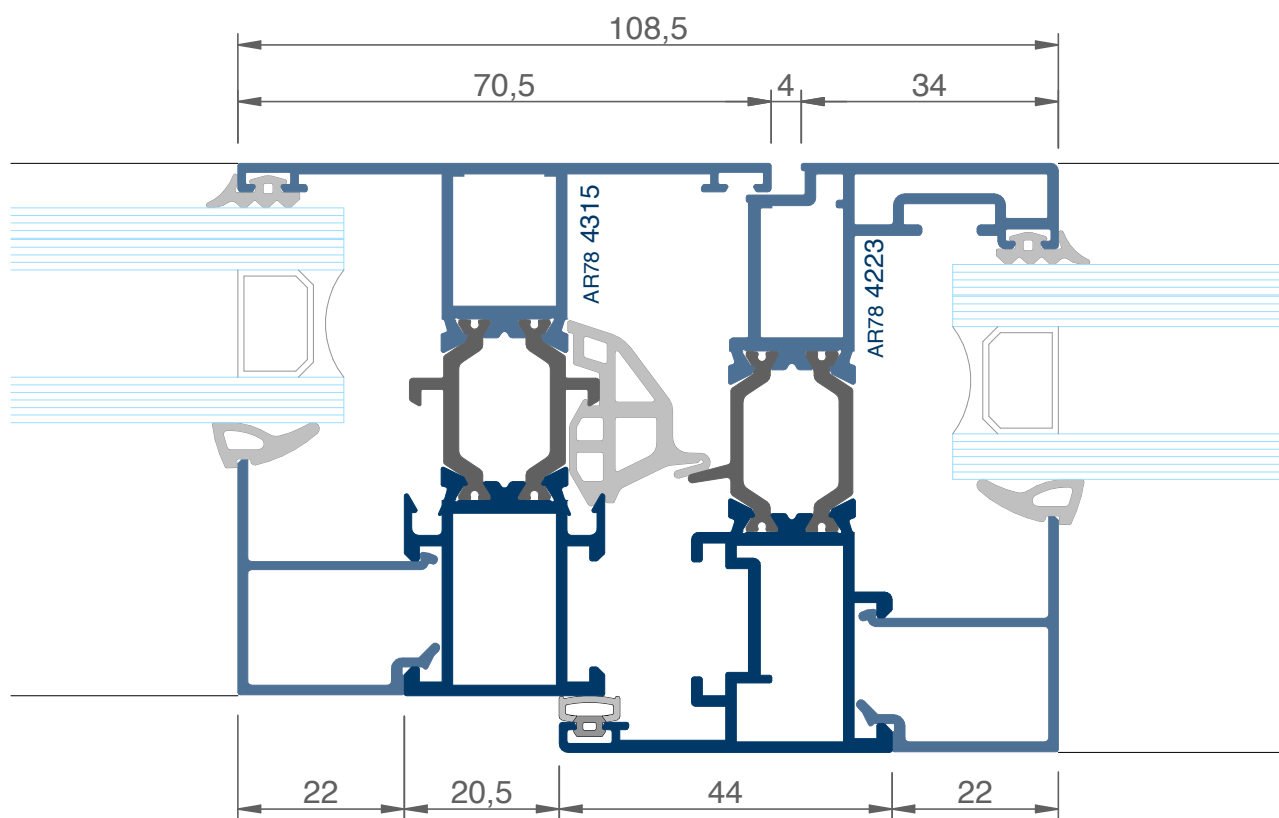
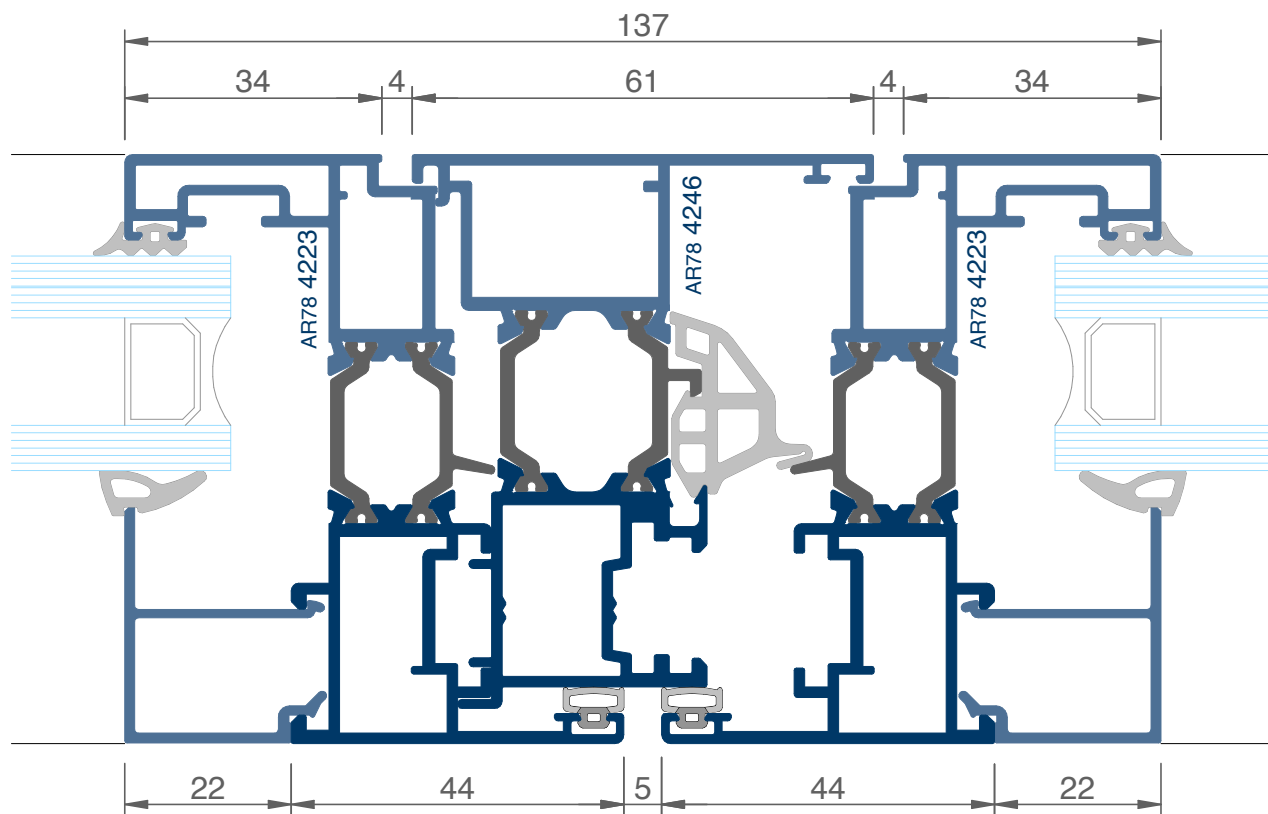


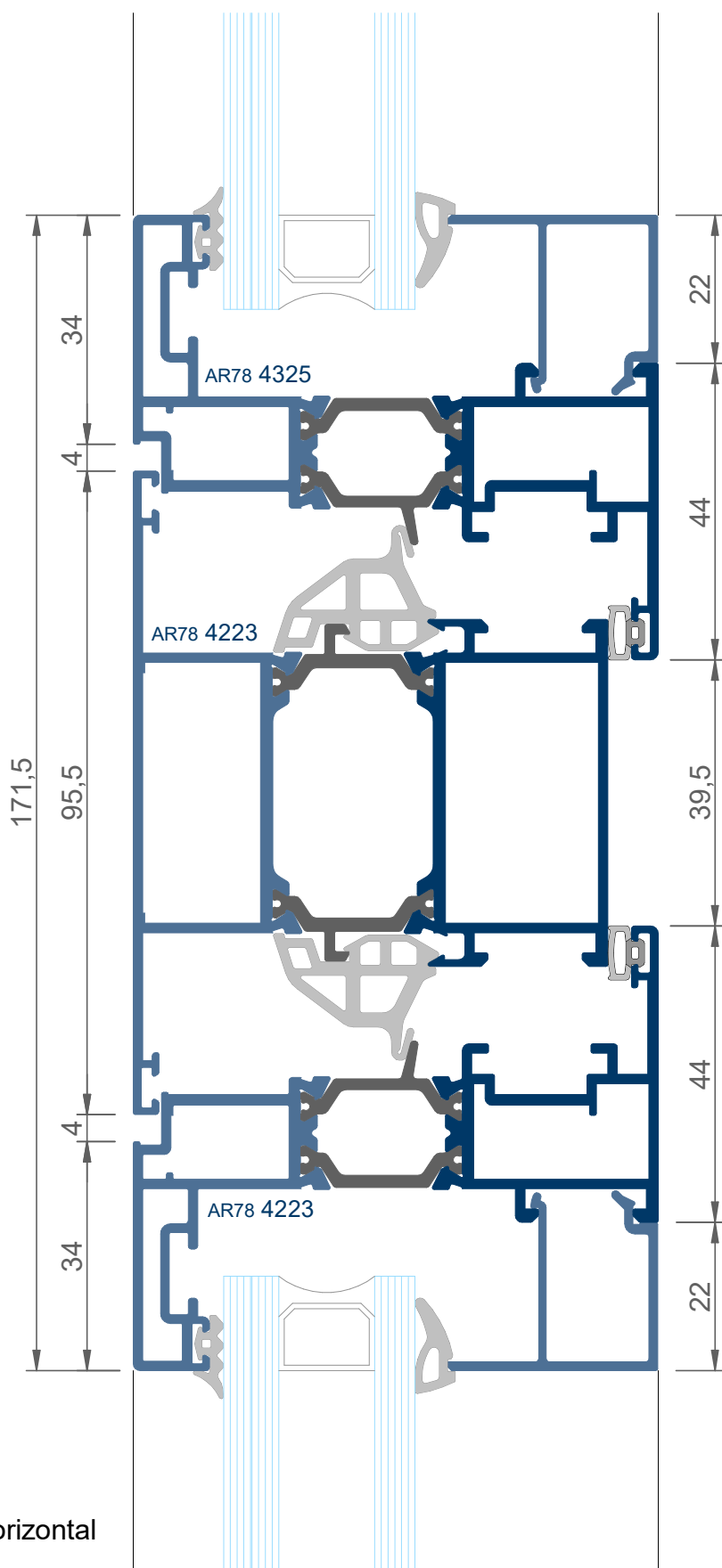




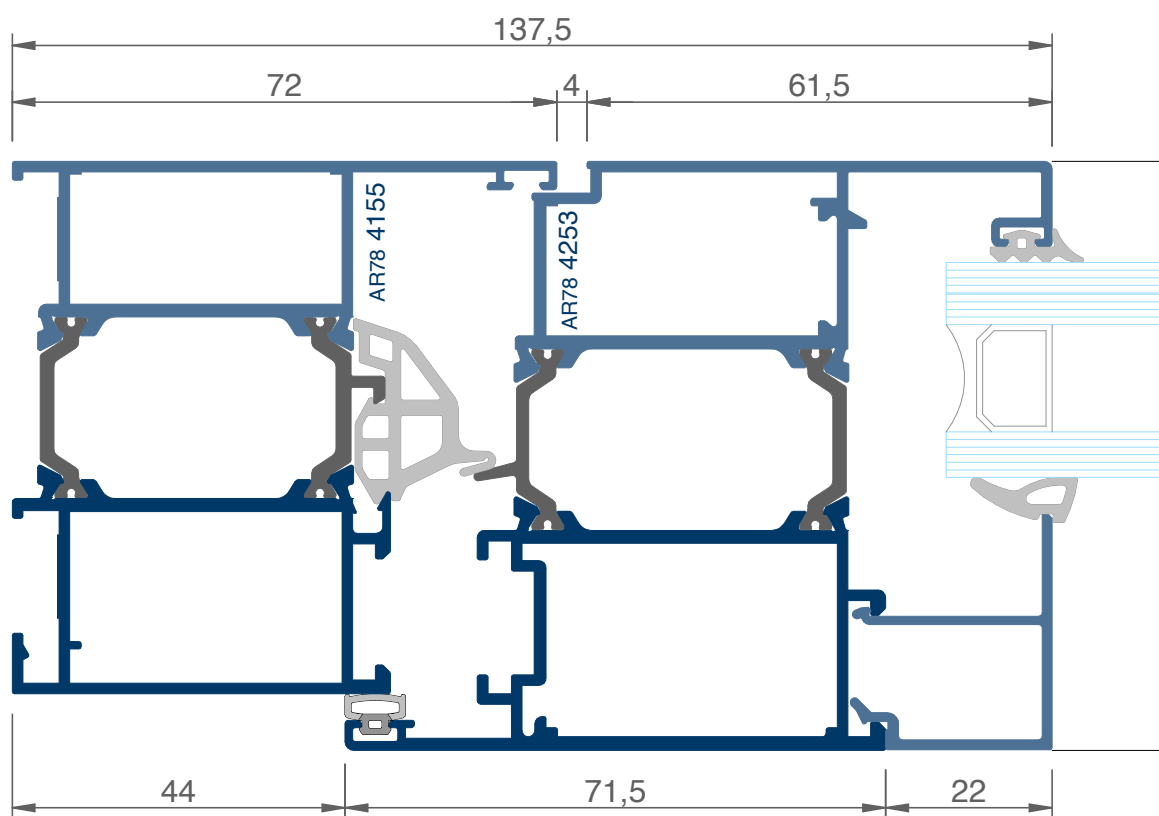
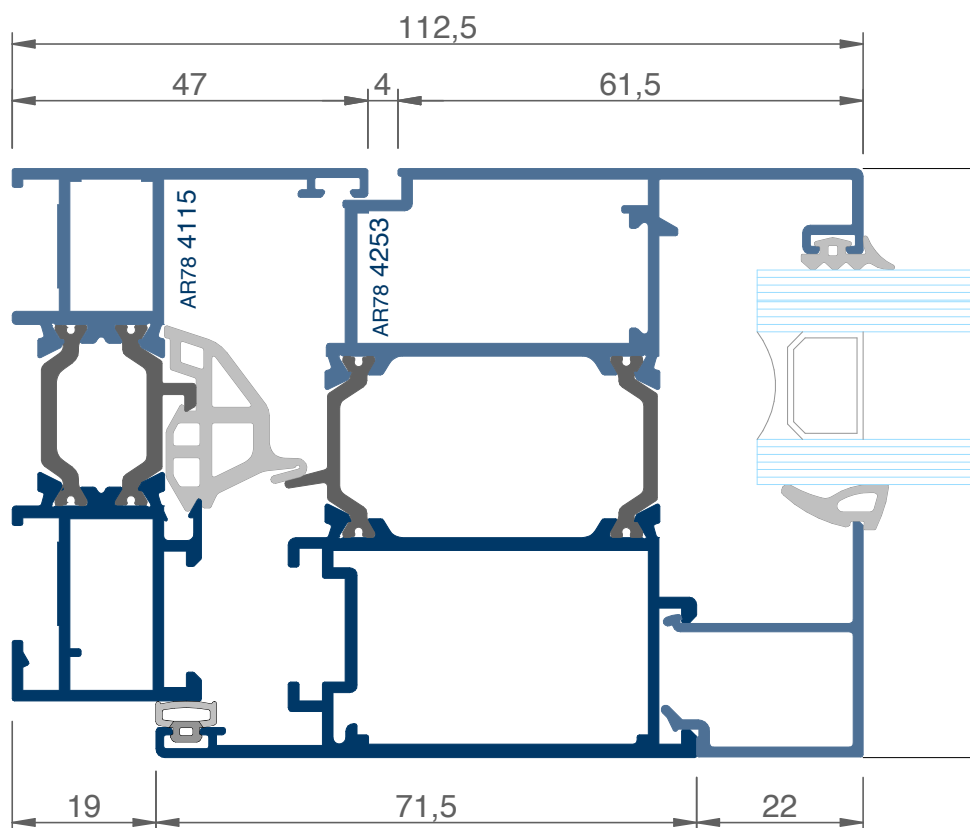


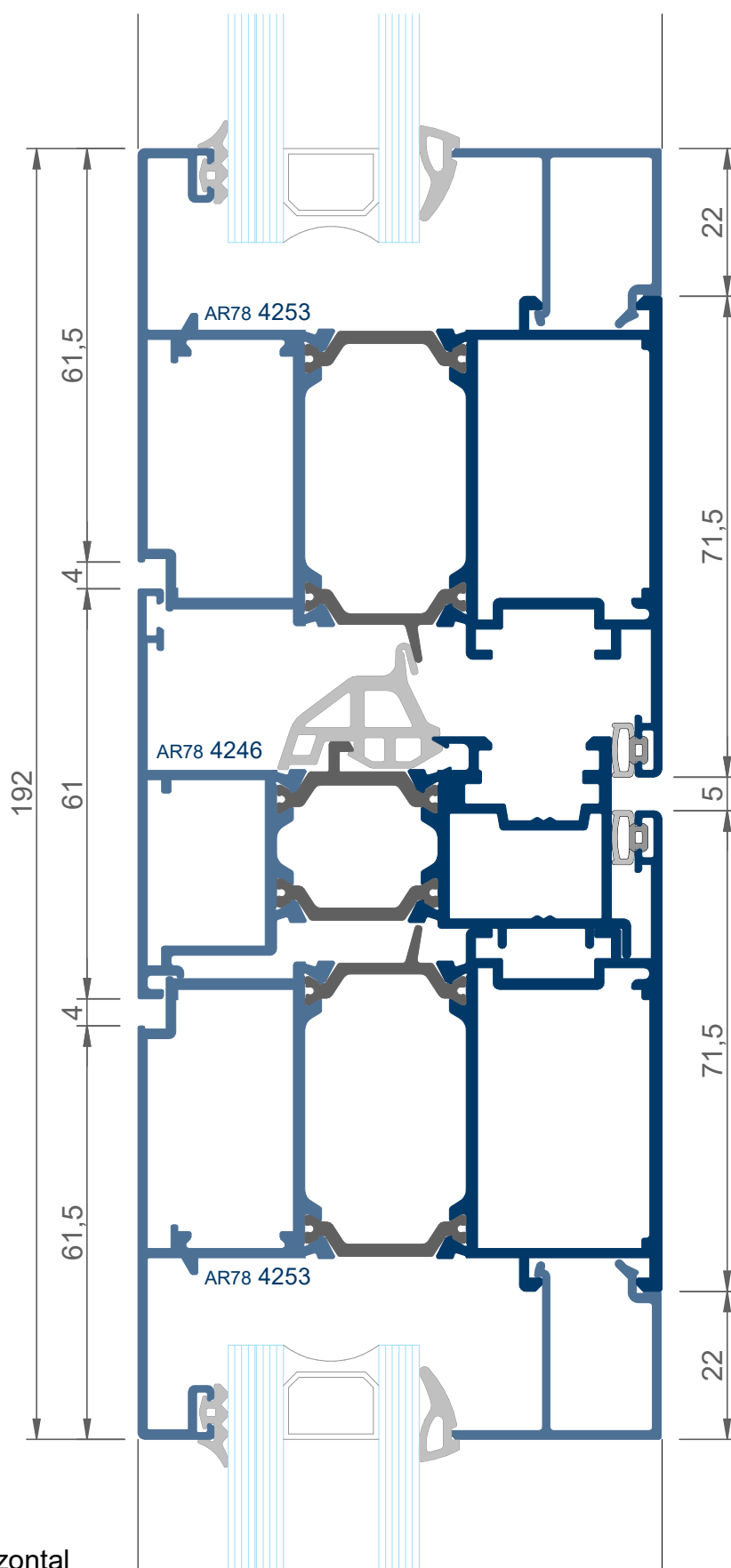




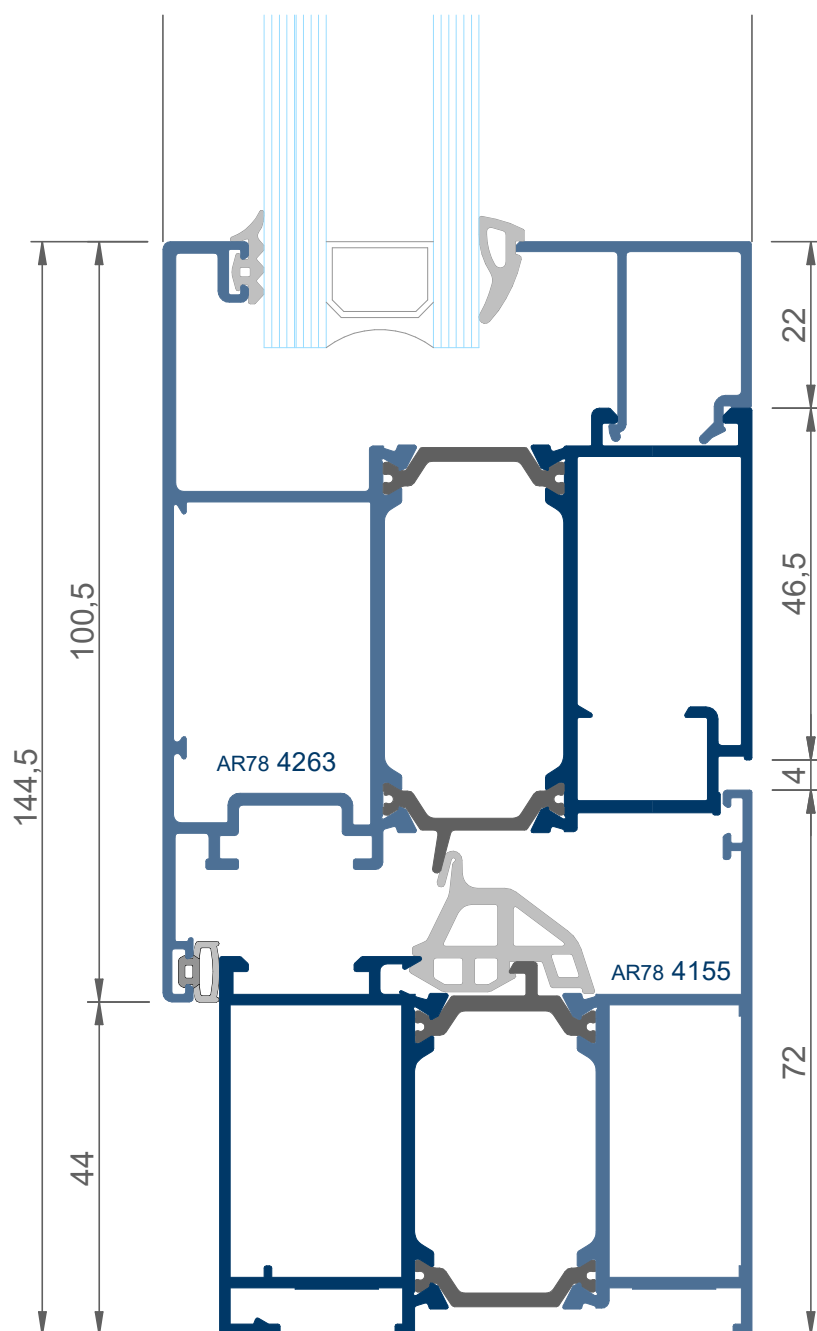


Visualización en horizontal

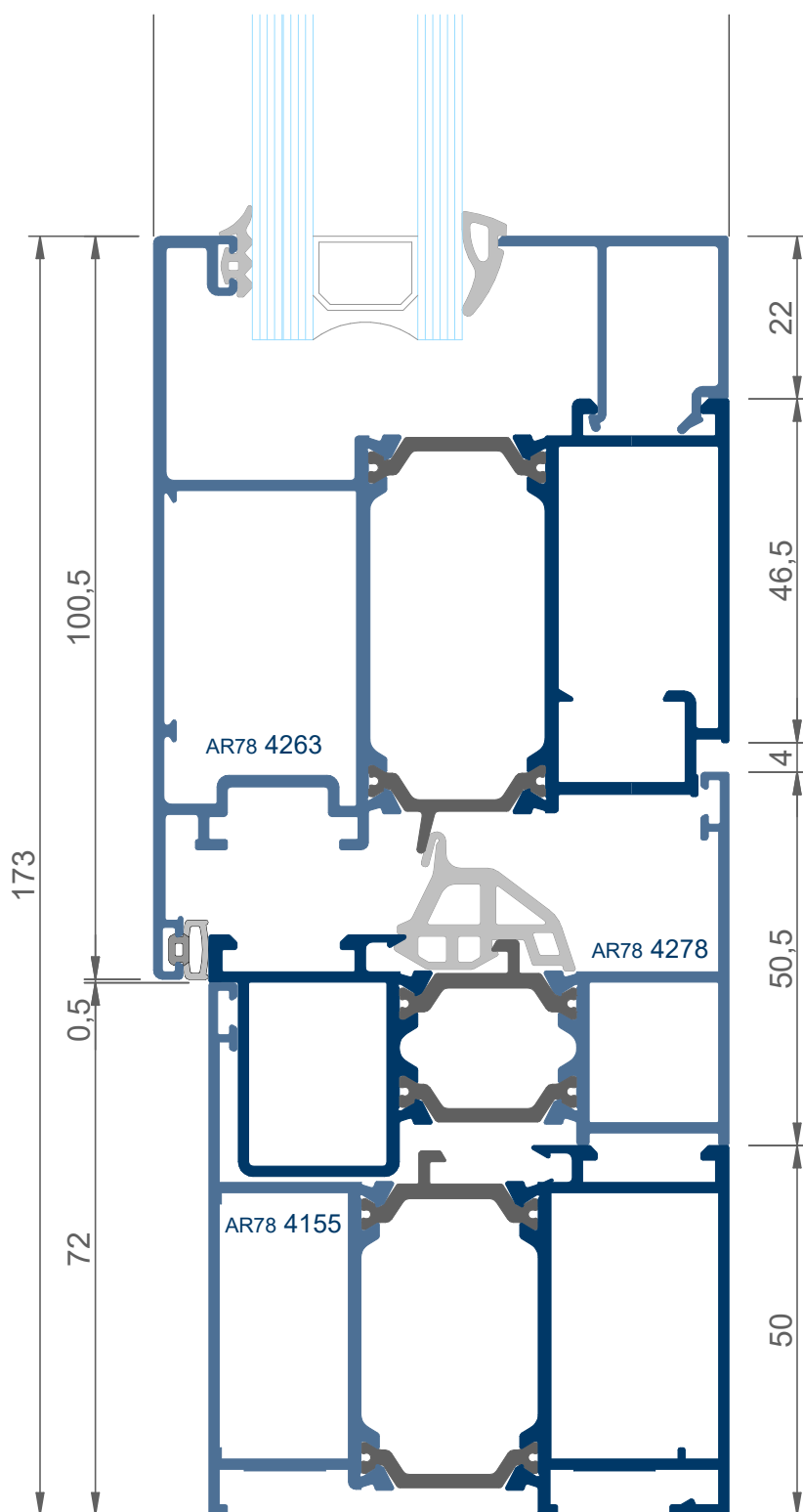




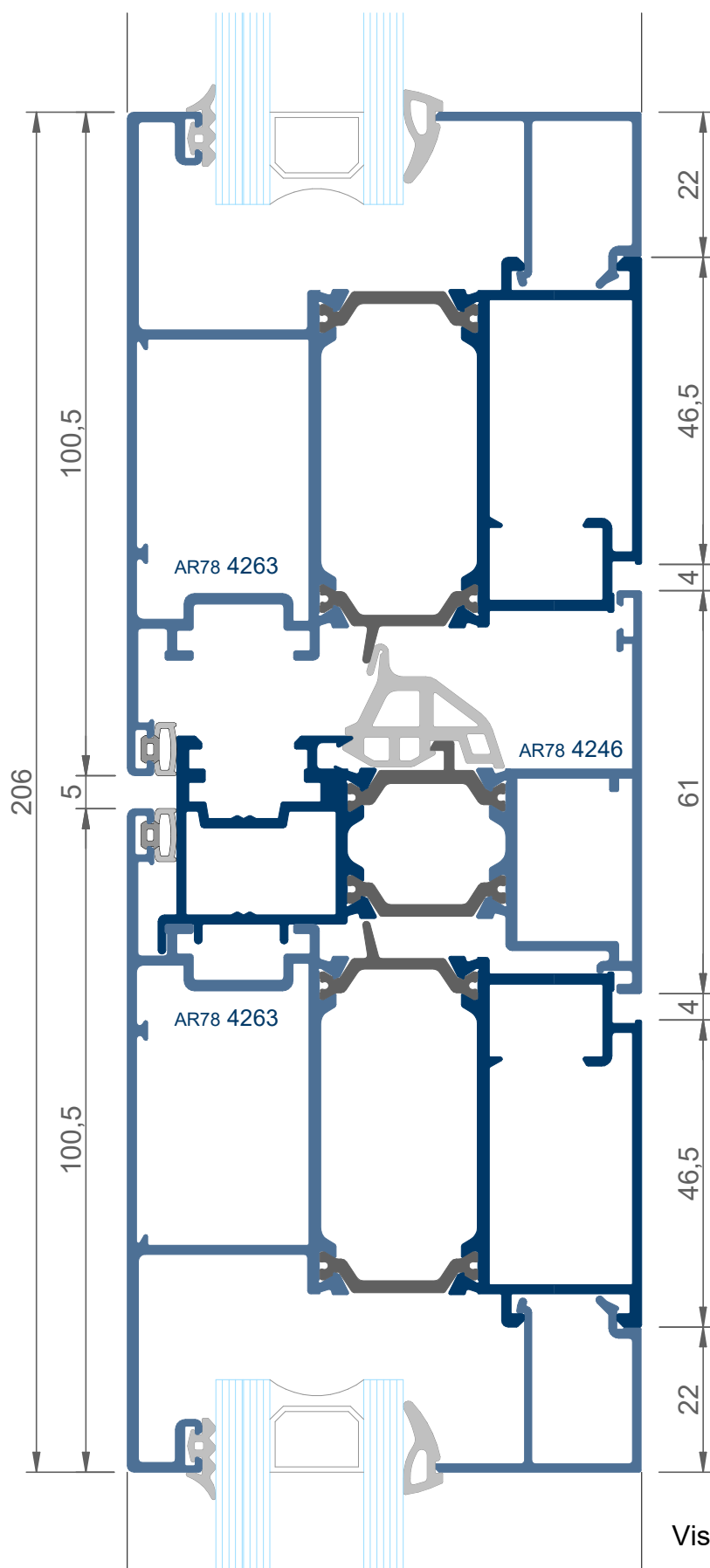
Visualización en horizontal

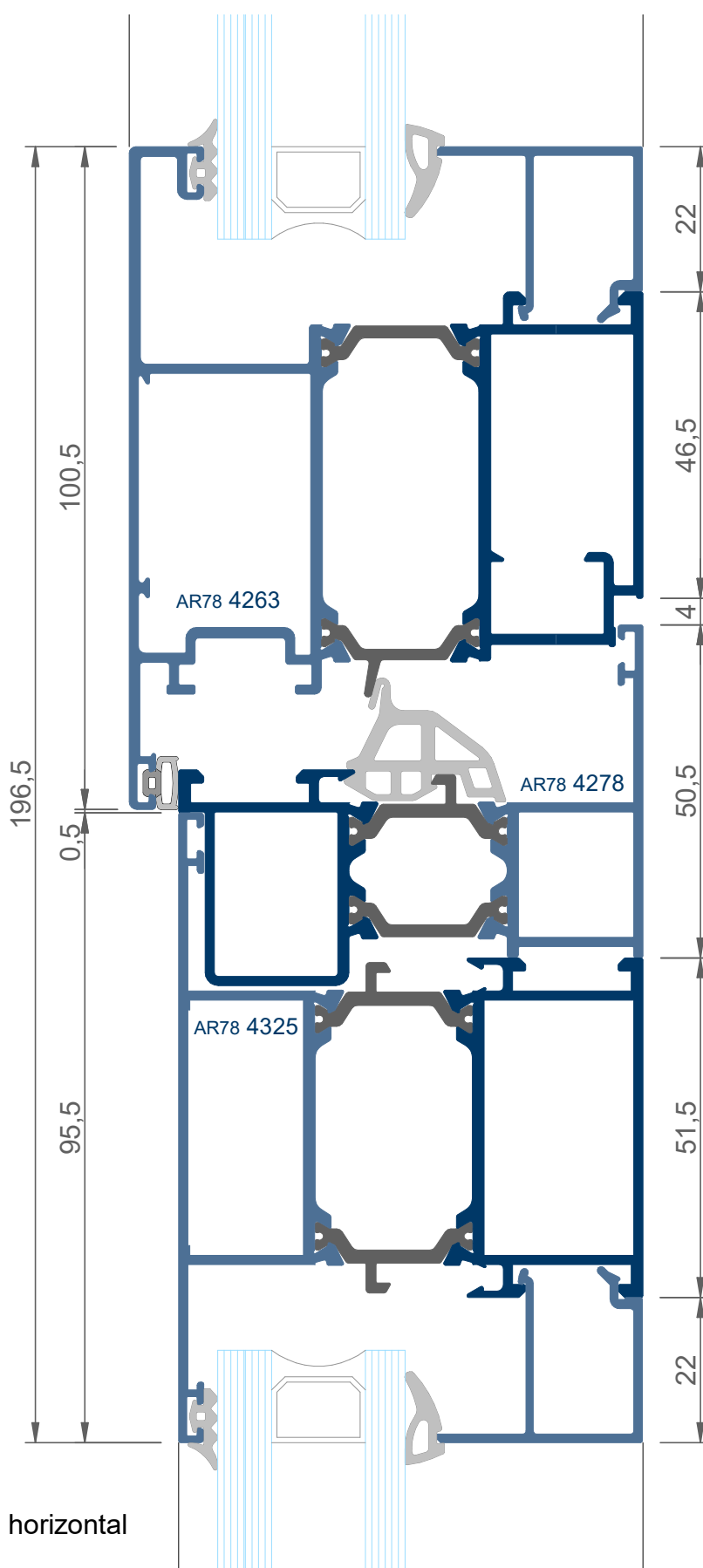


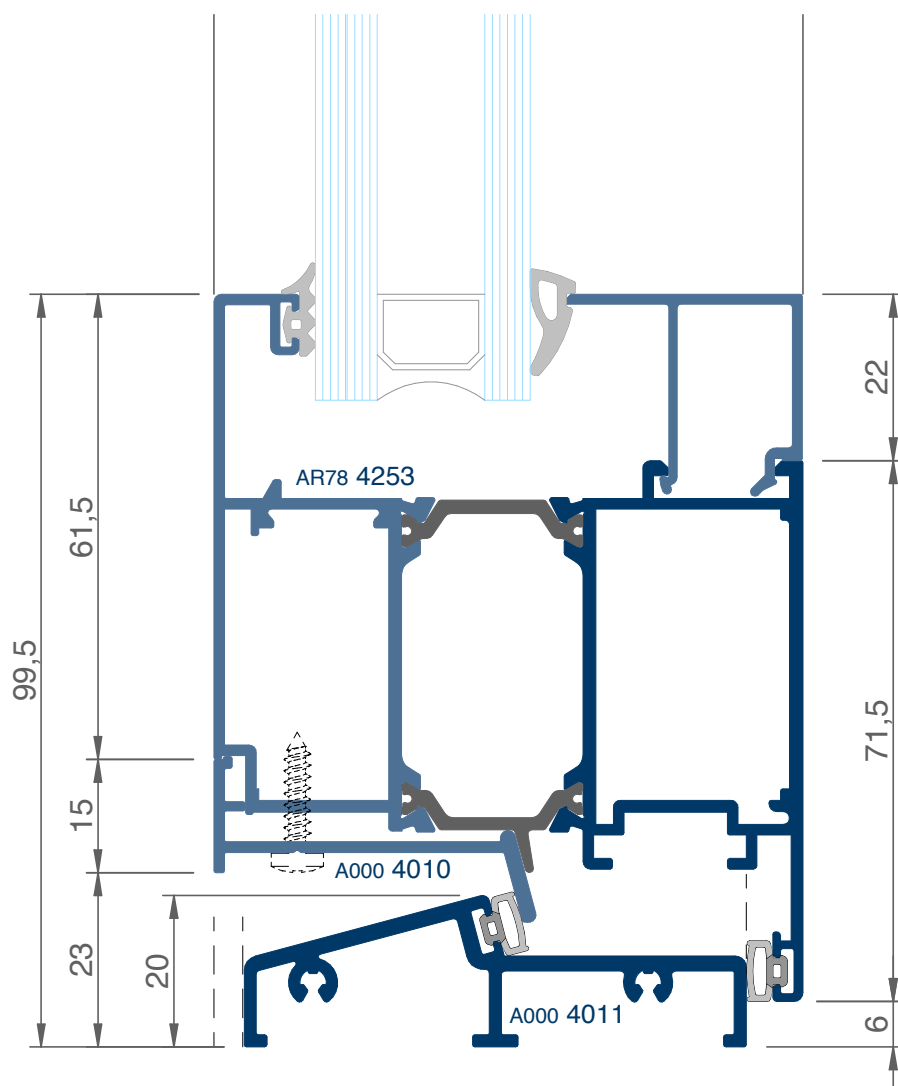
Visualización en horizontal

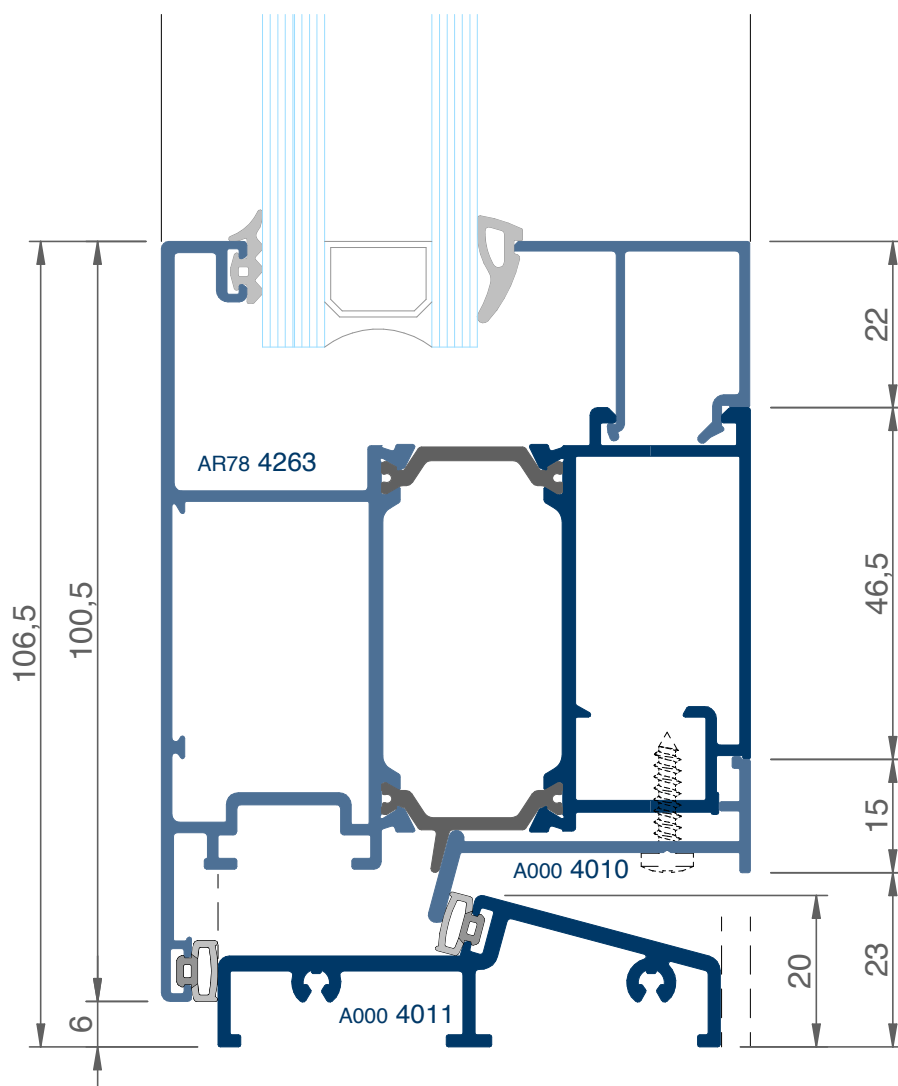


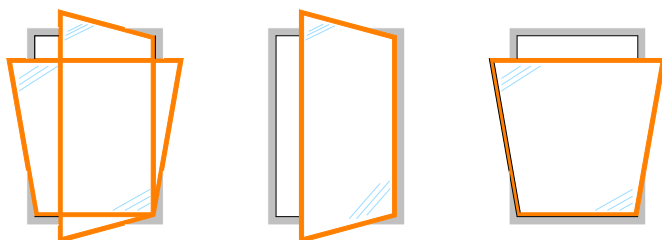
Visualización en horizontal





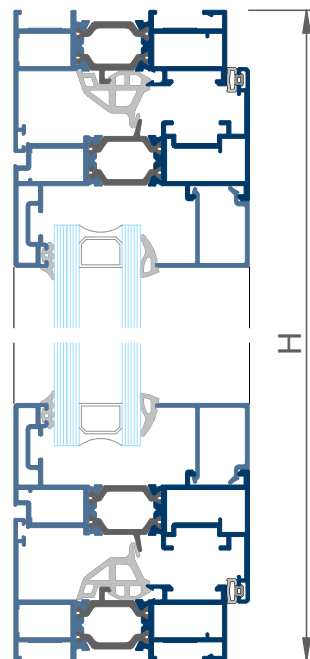




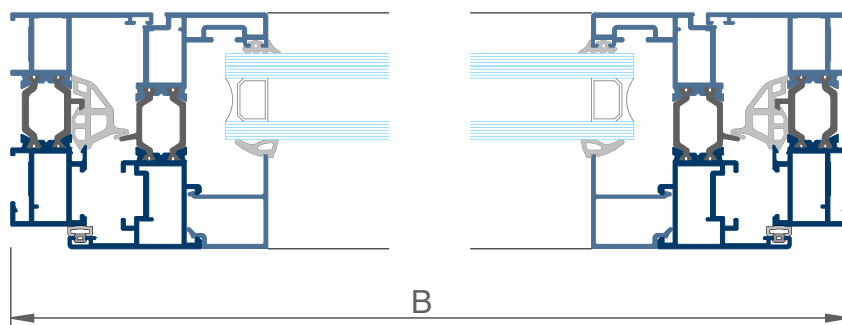


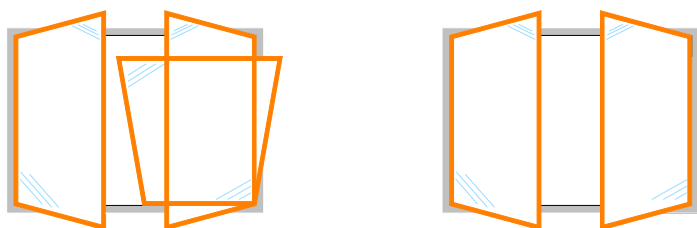
ACCESORIOS			UDS
escuadra	A000.2110		16
escuadra alineación ext hoja	A000.2140		4
escuadra alineación int hoja	A000.2132		4
deflector desagüe	A000.2301		2
ángulo esquina junta central	A000.2307		4
junta central	A000.2308	2B+2H	
junta int hoja	A000.2320	2B+2H	
junta ext acristalamiento	A000.2351	2B+2H	
junta cuña int	A000.XXXX	2B+2H	

FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AR78.4115	2	B	\ --- /
marco vertical	AR78.4115	2	H	\ --- /
hoja horizontal	AR78.4223	2	B-39	\ --- /
hoja vertical	AR78.4223	2	H-39	\ --- /
junquillo recto horizontal	A000.XXXX	2	B-126	---
junquillo elíptico horizontal	A000.XXXX	2	B-126	\ --- /
junquillo recto vertical	A000.XXXX	2	H-170	---
junquillo elíptico vertical	A000.XXXX	2	H-126	\ --- /
vidrio		1	B-146 x H-146	



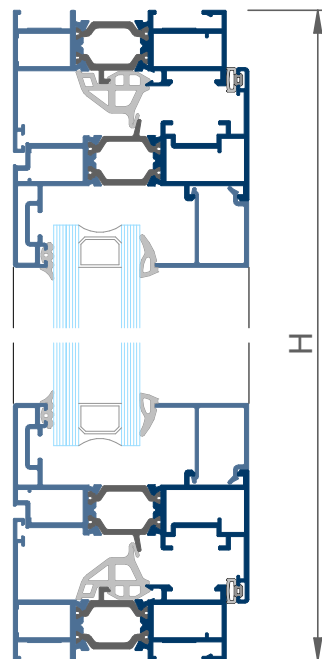
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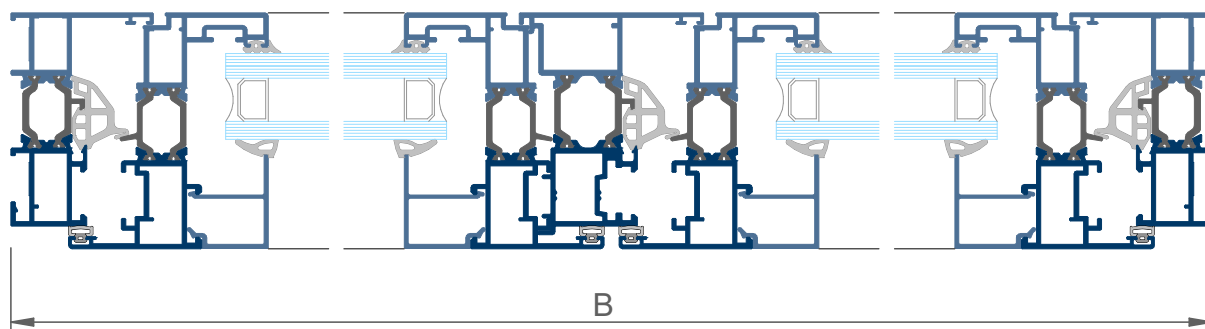


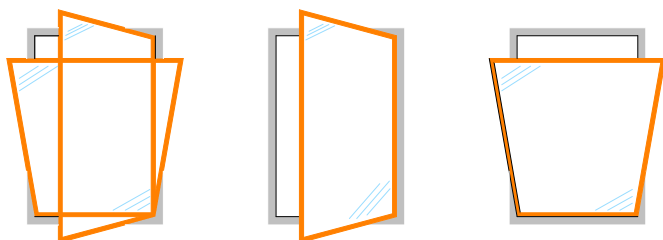
ACCESORIOS			UDS
escuadra	A000.2110		24
escuadra alineación ext hoja	A000.2140		8
escuadra alineación int hoja	A000.2132		8
deflector desagüe	A000.2301		3
ángulo esquina junta central	A000.2307		4
junta central	A000.2308	2B+3H	
junta int hoja	A000.2320	2B+4H	
junta ext acristalamiento	A000.2351	2B+4H	
junta cuña int	A000.XXXX	2B+4H	
juego tapas estanq central	A000.2340	1	
juego tapas estética central	A000.2342	1	

FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AR78.4115	2	B	\ --- /
marco vertical	AR78.4115	2	H	\ --- /
hoja horizontal	AR78.4223	4	(B-44)/2	\ --- /
hoja vertical	AR78.4223	4	H-39	\ --- /
inversor doble hoja	AR78.4246	1	H-107	---
junquillo recto horizontal	A000.XXXX	4	(B-220)/2	---
junquillo elíptico horizontal	A000.XXXX	4	(B-220)/2	\ --- /
junquillo recto vertical	A000.XXXX	4	H-170	---
junquillo elíptico vertical	A000.XXXX	4	H-126	\ --- /
	vidrio	2	(B-259)/2 x H-146	



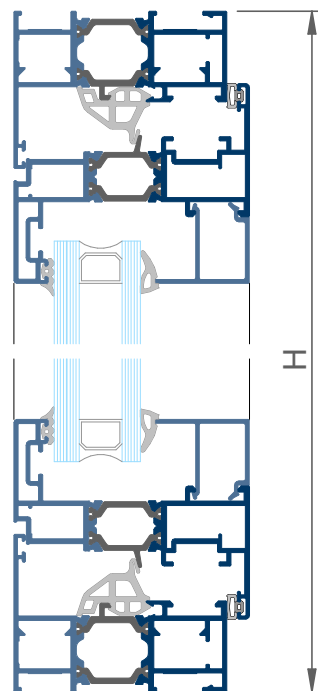
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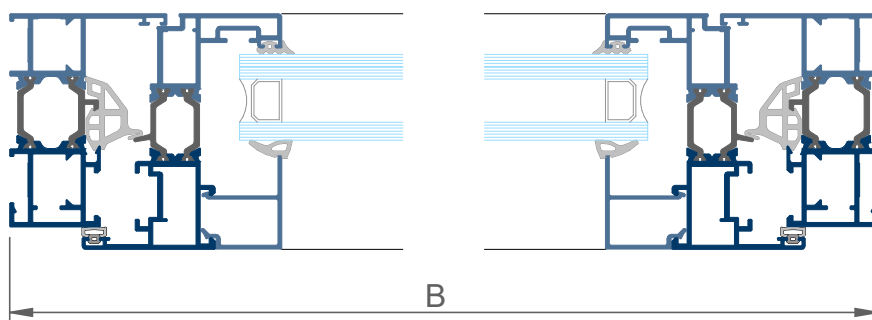


ACCESORIOS			UDS
escuadra	A000.2110		16
escuadra alineación ext hoja	A000.2140		4
escuadra alineación int hoja	A000.2132		4
deflector desagüe	A000.2301		2
ángulo esquina junta central	A000.2307		4
junta central	A000.2308	2B+2H	
junta int hoja	A000.2320	2B+2H	
junta ext acristalamiento	A000.2351	2B+2H	
junta cuña int	A000.XXXX	2B+2H	

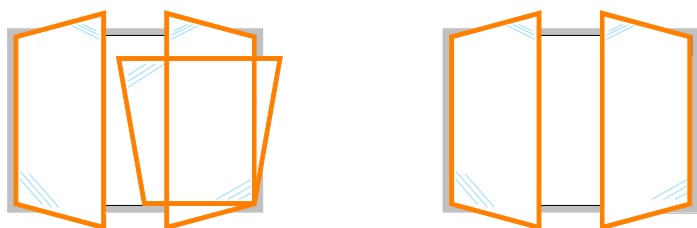
FORMULAS DE CORTE				UDS	FORMULA	FORMA
marco horizontal	AR78.4111	2	B		\ --- /	
marco vertical	AR78.4111	2	H		\ --- /	
hoja horizontal	AR78.4223	2	B-48		\ --- /	
hoja vertical	AR78.4223	2	H-48		\ --- /	
junquillo recto horizontal	A000.XXXX	2	B-136		---	
junquillo elíptico horizontal	A000.XXXX	2	B-136		\ --- /	
junquillo recto vertical	A000.XXXX	2	H-180		---	
junquillo elíptico vertical	A000.XXXX	2	H-136		\ --- /	
				vidrio	1	B-152 x H-152



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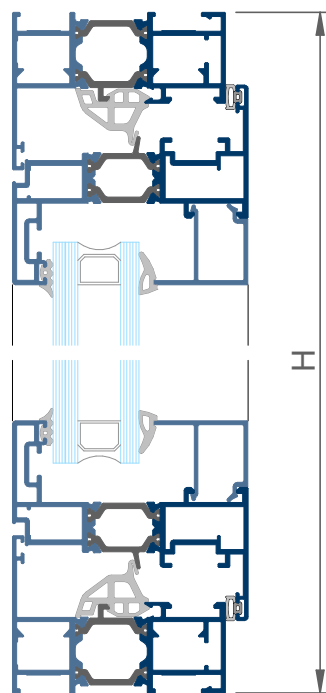


Hoja de corte también válida para marco AR78 4165

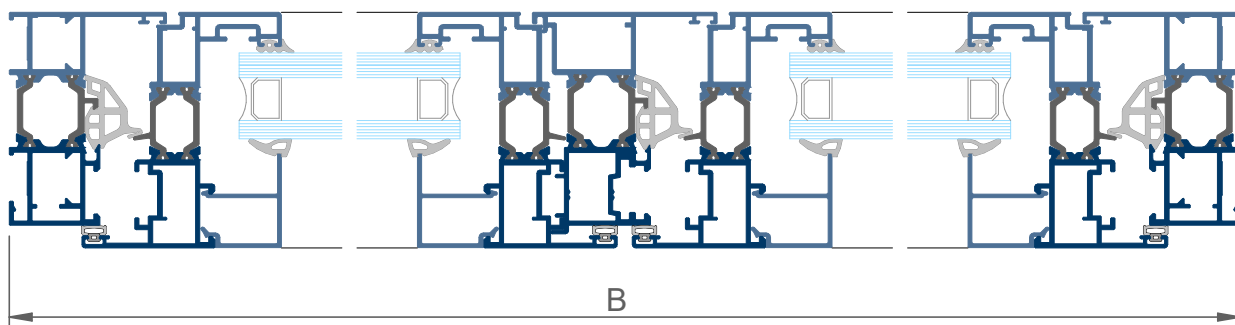


ACCESORIOS			UDS
escuadra	A000.2110		24
escuadra alineación ext hoja	A000.2140		8
escuadra alineación int hoja	A000.2132		8
deflector desagüe	A000.2301		3
ángulo esquina junta central	A000.2307		4
junta central	A000.2308	2B+3H	
junta int hoja	A000.2320	2B+4H	
junta ext acristalamiento	A000.2351	2B+4H	
junta cuña int	A000.XXXX	2B+4H	
juego tapas estanq central	A000.2340	1	
juego tapas estética central	A000.2342	1	

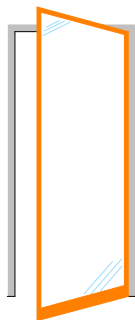
FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AR78.4111	2	B	\ --- /
marco vertical	AR78.4111	2	H	\ --- /
hoja horizontal	AR78.4223	4	(B-54)/2	\ --- /
hoja vertical	AR78.4223	4	H-49	\ --- /
inversor doble hoja	AR78.4246	1	H-117	---
junquillo recto horizontal	A000.XXXX	4	(B-230)/2	---
junquillo elíptico horizontal	A000.XXXX	4	(B-230)/2	\ --- /
junquillo recto vertical	A000.XXXX	4	H-180	---
junquillo elíptico vertical	A000.XXXX	4	H-136	\ --- /
vidrio		2	(B-259)/2 x H-146	



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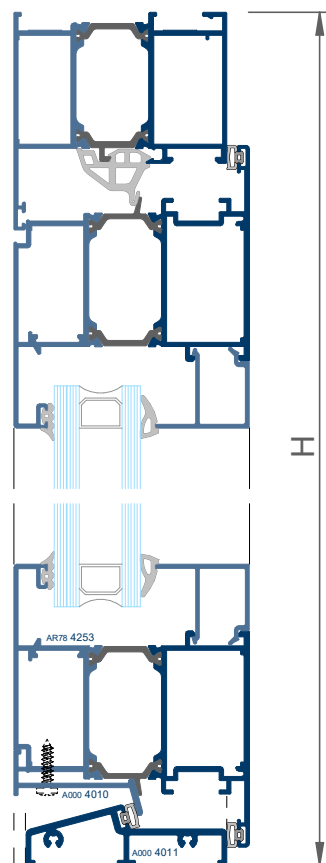


Hoja de corte también válida para marco AR78 4165

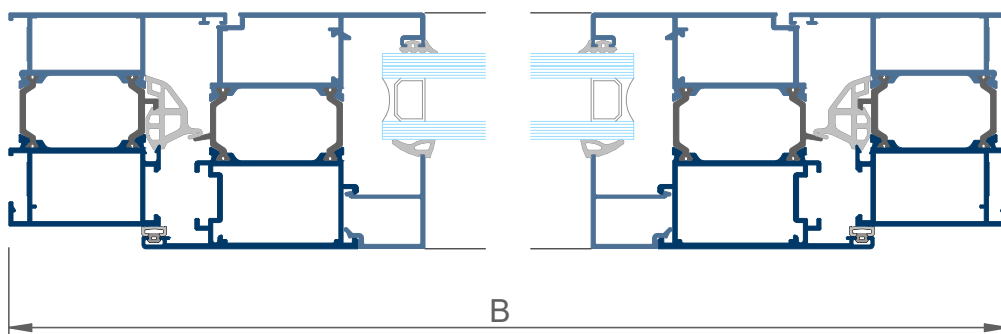


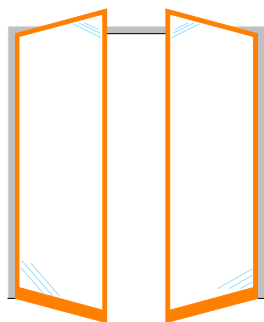
ACCESORIOS		
		UDS
escuadra marco	A000.2113	8
escuadra hoja	A000.2114	4
escuadra alineación int hoja	A000.2132	4
ángulo esquina junta central	A000.2307	2
junta central	A000.2308	1B+2H
junta int hoja	A000.2320	3B+2H
junta ext acristalamiento	A000.2351	2B+2H
junta cuña int	A000.XXXX	2B+2H

FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AR78.4155	1	B	\ --- /
marco vertical	AR78.4155	2	H	- / \ -
hoja horizontal	AR78.4253	2	B-88	\ --- /
hoja vertical	AR78.4253	2	H-50	\ --- /
perfil hoja bajo puerta	A000.4010	1	B-123	---
perfil umbral bajo puerta	A000.4010	1	B-91	---
junquillo recto horizontal	A000.XXXX	2	B-231	---
junquillo elíptico horizontal	A000.XXXX	2	B-231	\ --- /
junquillo recto vertical	A000.XXXX	2	H-237	---
junquillo elíptico vertical	A000.XXXX	2	H-193	\ --- /
vidrio		1	B-249 x H-213	



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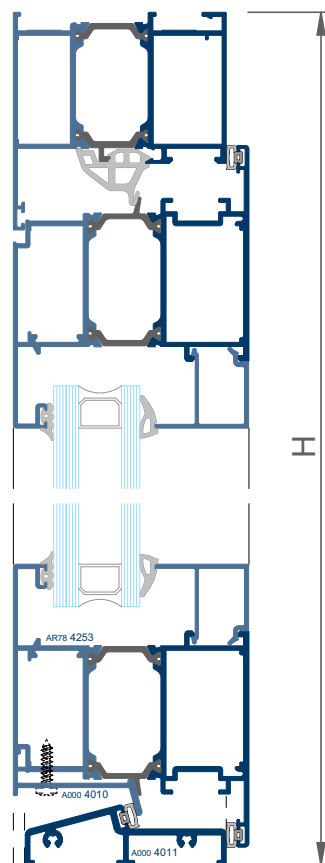
ACCESORIOS

		UDS
escuadras "13"	A000.2113	12
escuadras "14"	A000.2114	8
escuadra alineación int hoja	A000.2132	8
ángulo esquina junta central	A000.2307	2
junta central	A000.2308	1B+3H
junta int hoja	A000.2320	2B+4H
junta ext acristalamiento	A000.2351	3B+4H
junta cuña int	A000.XXXX	2B+4H
juego tapas estanq central	A000.2340	1
juego tapas estética central	A000.2342	1

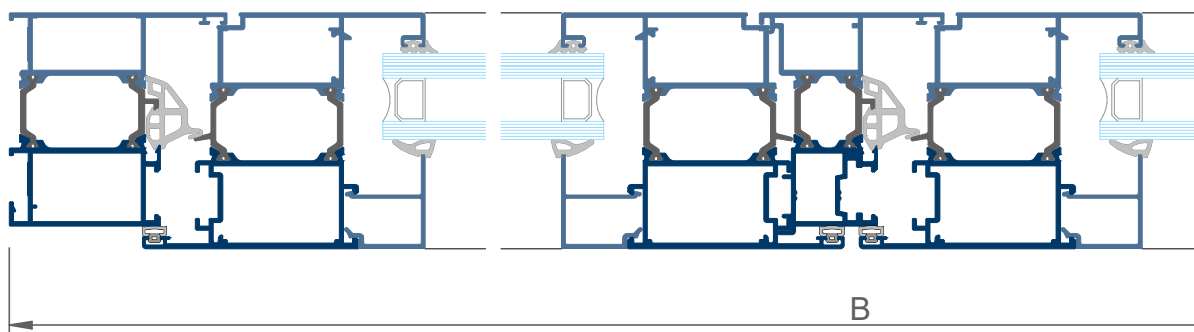
FORMULAS DE CORTE

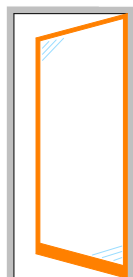
		UDS	FORMULA	FORMA
marco horizontal	AR78.4155	1	B	\ --- /
marco vertical	AR78.4155	2	H	- / \ -
hoja horizontal	AR78.4253	4	(B-93)/2	\ --- /
hoja vertical	AR78.4253	4	H-50	\ --- /
inversor doble hoja	AR78.4246	1	H-118	---
perfil hoja bajo puerta	A000.4010	1	(B-163)/2	---
perfil hoja bajo puerta	A000.4010	1	(B-92)/2	---
perfil umbral bajo puerta	A000.4011	1	B-91	---
junquillo recto horizontal	A000.XXXX	4	(B-379)/2	---
junquillo elíptico horizontal	A000.XXXX	4	(B-379)/2	\ --- /
junquillo recto vertical	A000.XXXX	4	H-237	---
junquillo elíptico vertical	A000.XXXX	4	H-193	\ --- /

vidrio 2 (B-415)/2 x H-211



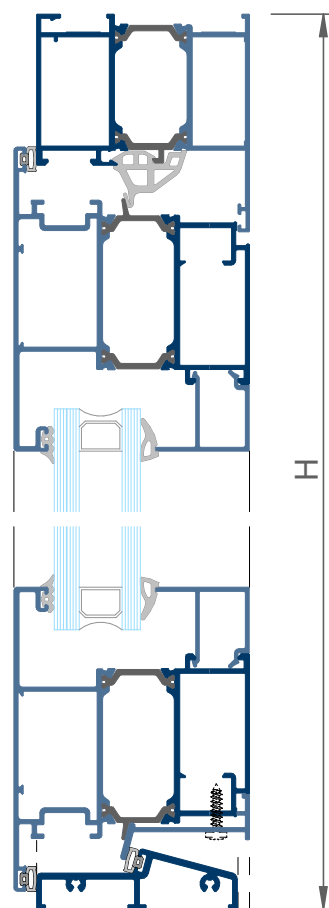
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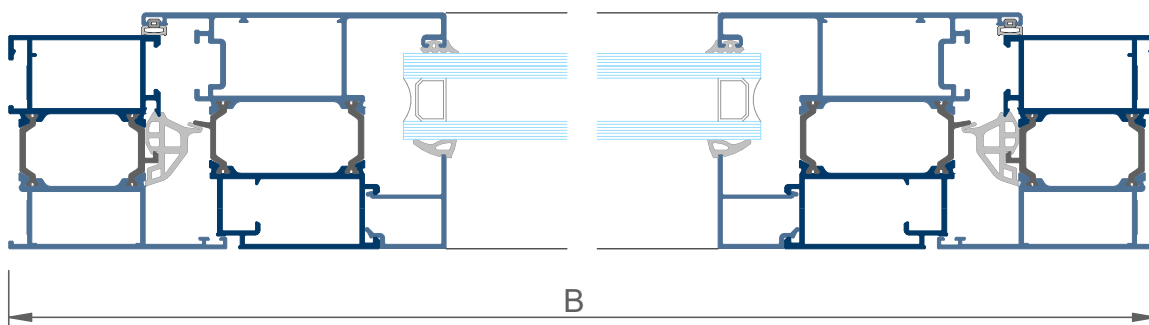


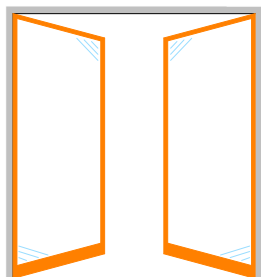
ACCESORIOS			UDS
escuadra marco	A000.2113		4
escuadra ext hoja	A000.2114		4
escuadra int hoja	A000.2110		4
escuadra alineación int hoja	A000.2132		4
ángulo esquina junta central	A000.2307		2
junta central	A000.2308		1B+2H
junta int hoja	A000.2320		3B+2H
junta ext acristalamiento	A000.2351		2B+2H
junta cuña int	A000.XXXX		2B+2H

FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AR78.4155	1	B	\ --- /
marco vertical	AR78.4155	2	H	- / \ -
hoja horizontal	AR78.4263	2	B-88	\ --- /
hoja vertical	AR78.4263	2	H-50	\ --- /
perfil hoja bajo puerta	A000.4010	1	B-123	---
perfil umbral bajo puerta	A000.4011	1	B-91	---
junquillo recto horizontal	A000.XXXX	2	B-245	---
junquillo elíptico horizontal	A000.XXXX		B-245	\ --- /
junquillo recto vertical	A000.XXXX	2	H-251	---
junquillo elíptico vertical	A000.XXXX		H-207	\ --- /
vidrio		1	B-262 x H-224	



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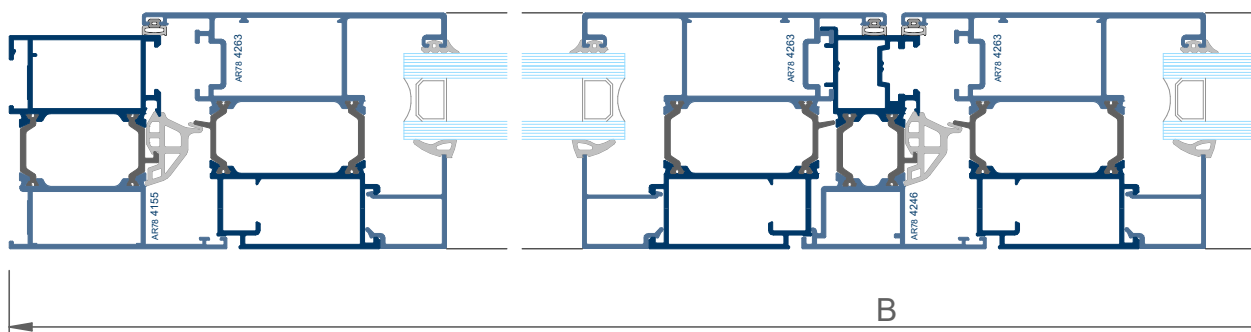
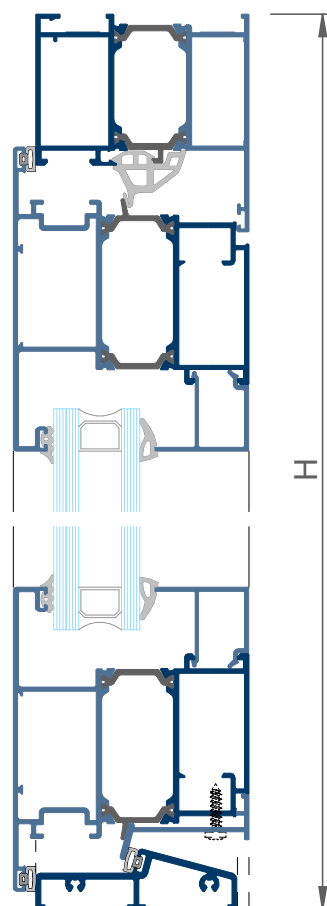




ACCESORIOS			UDS
escuadra marco	A000.2113		4
escuadra ext hoja	A000.2114		8
escuadra int hoja	A000.2110		8
escuadra alineación int hoja	A000.2132		8
ángulo esquina junta central	A000.2307		2
junta central	A000.2308	1B+3H	
junta int hoja	A000.2320	3B+4H	
junta ext acristalamiento	A000.2351	2B+4H	
junta cuña int	A000.XXXX	2B+4H	
juego tapas estanq central	A000.2340	1	
juego tapas estética central	A000.2342	1	

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FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AR78.4155	1	B	\ --- /
marco vertical	AR78.4155	2	H	- / \ -
hoja horizontal	AR78.4263	4	(B-93)/2	\ --- /
hoja vertical	AR78.4263	4	H-50	\ --- /
inversor doble hoja	AR78.4246	1	H-118	---
perfil hoja bajo puerta	A000.4010	1	(B-163)/2	---
perfil hoja bajo puerta	A000.4010	1	(B-92)/2	---
perfil umbral bajo puerta	A000.4011	1	B-91	---
junquillo recto horizontal	A000.XXXX	4	(B-407)/2	---
junquillo elíptico horizontal	A000.XXXX	4	(B-407)/2	\ --- /
junquillo recto vertical	A000.XXXX	4	H-251	---
junquillo elíptico vertical	A000.XXXX	4	H-207	\ --- /
vidrio		2	(B-440)/2 x H-224	



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