

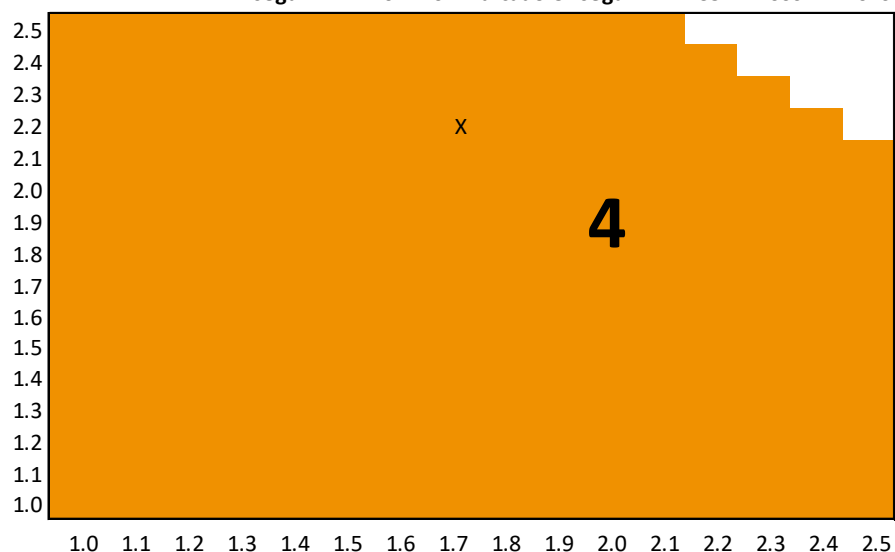
THERMIA® AF52

Serie para ventanas practicables

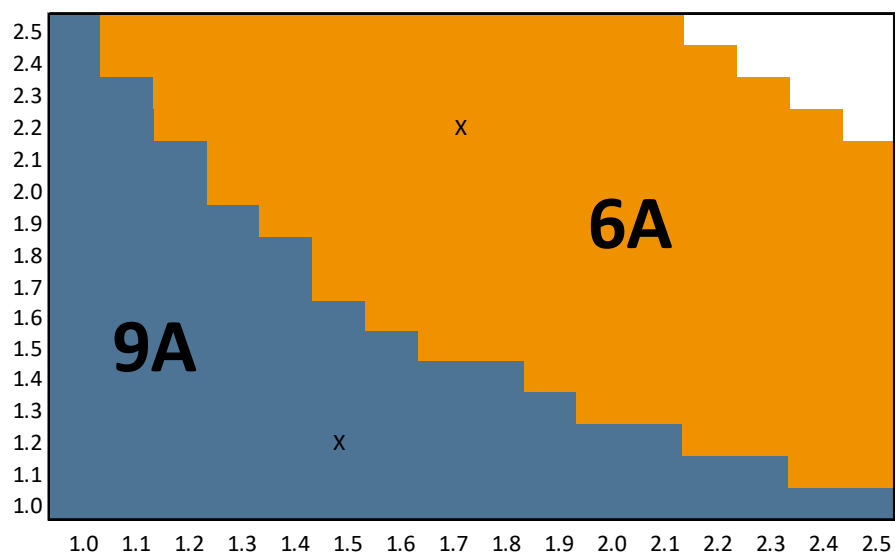


Ventanas para vivir mejor

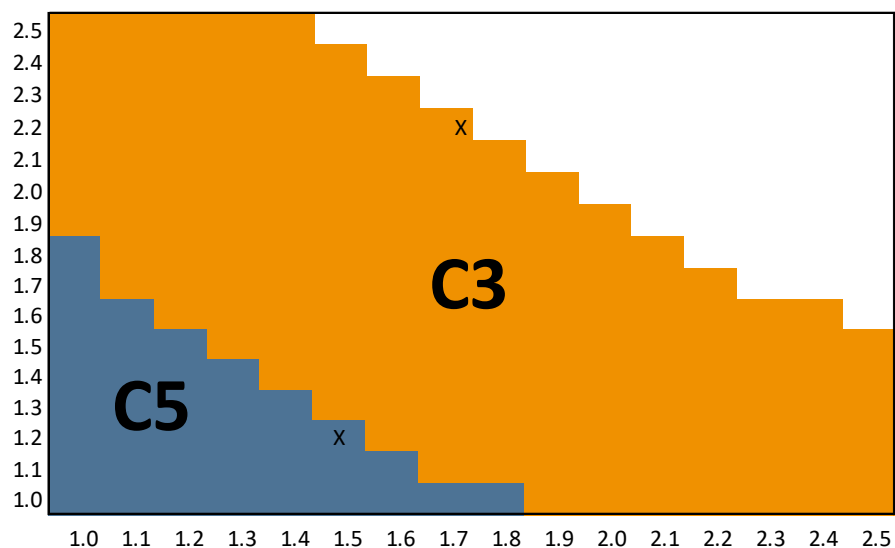
PERMEABILIDAD AL AIRE según EN 12207 - 02 Marcado CE según EN 14351-1:2006+A2:2016



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

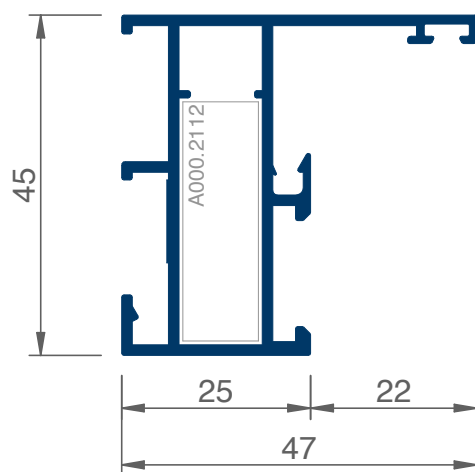


RESISTENCIA AL VIENTO según EN 12210 - Marcado CE según EN 14351-1:2006+A2:2016

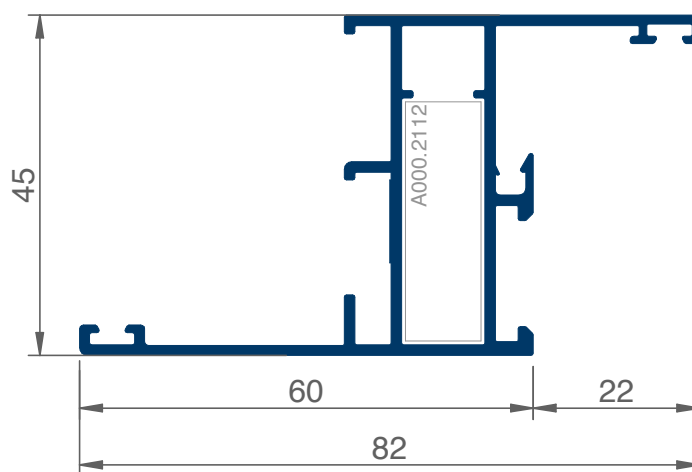


Resultados obtenidos de los informes según Ensatec con número de ensayo 146488, y en base al Anexo E de la norma EN 14351-1:2006+A2:2016.

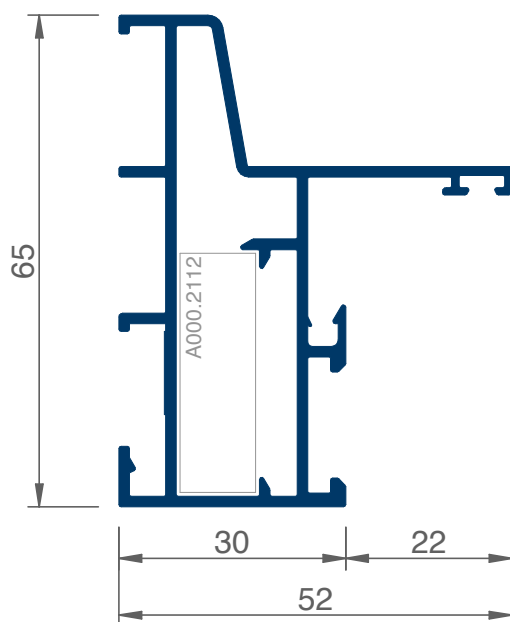
Diseño
Confort
Silencio



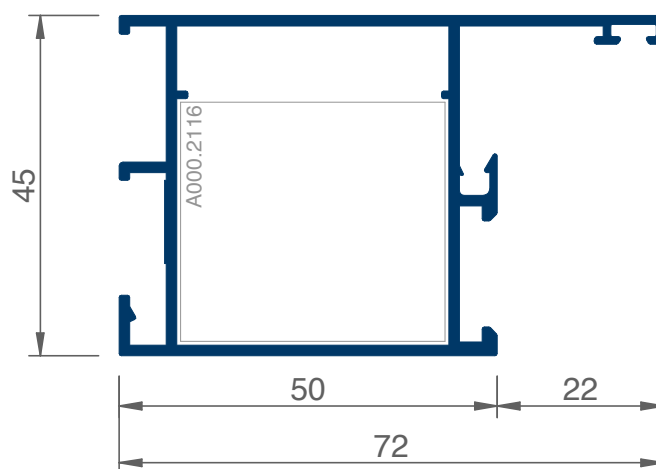
AF52 4110



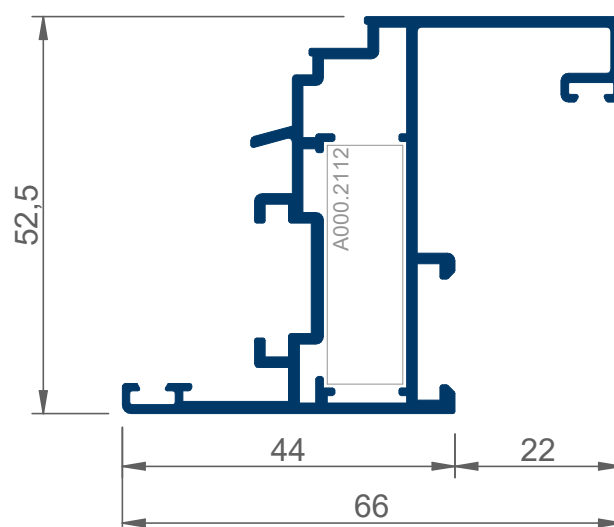
AF52 4119



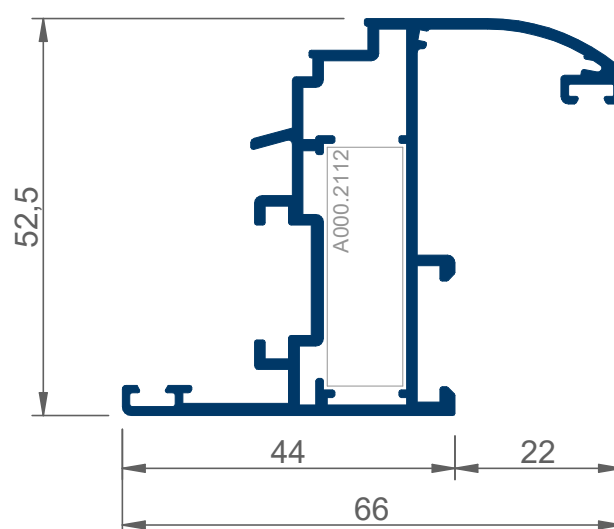
AF52 4113



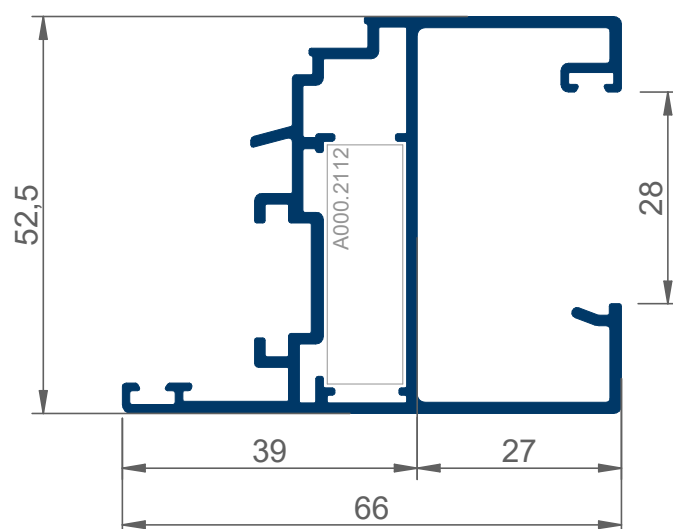
AF52 4150



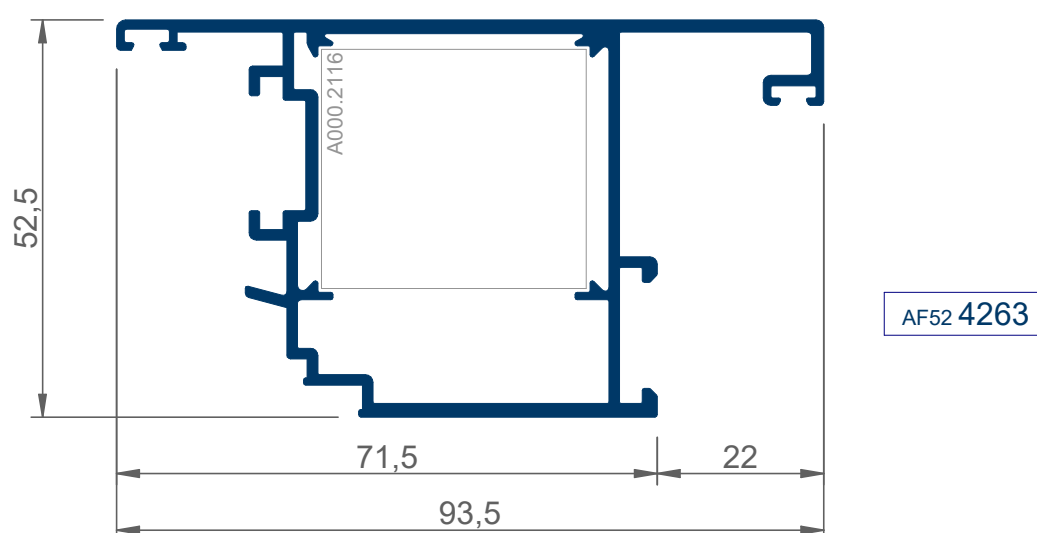
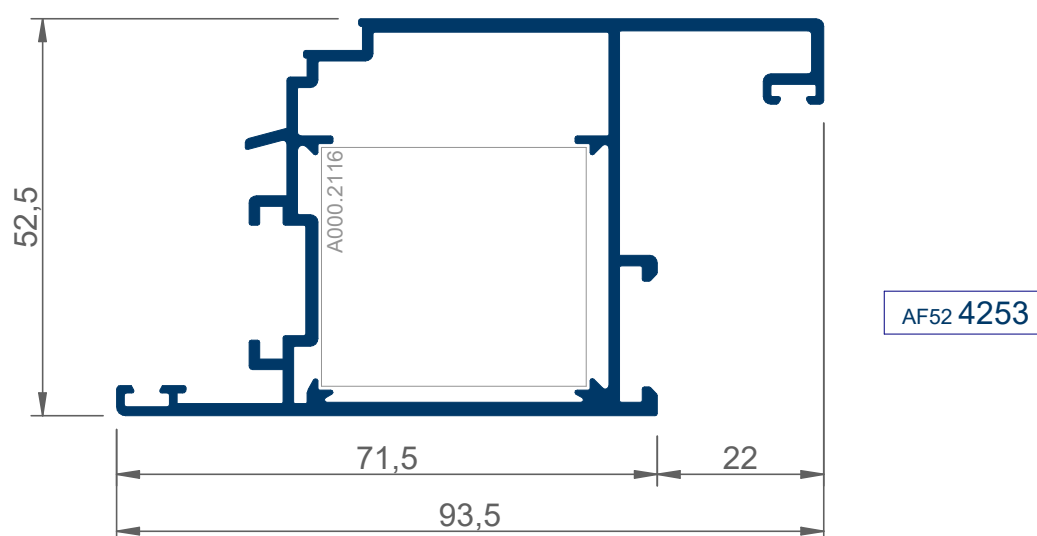
AF52 4223

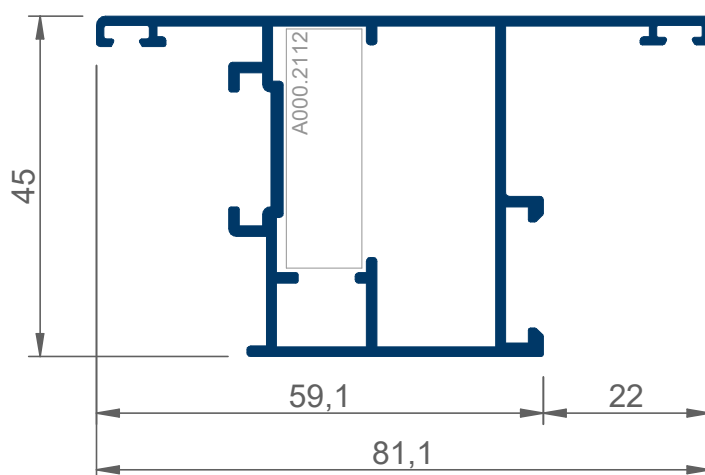


AF52 4220

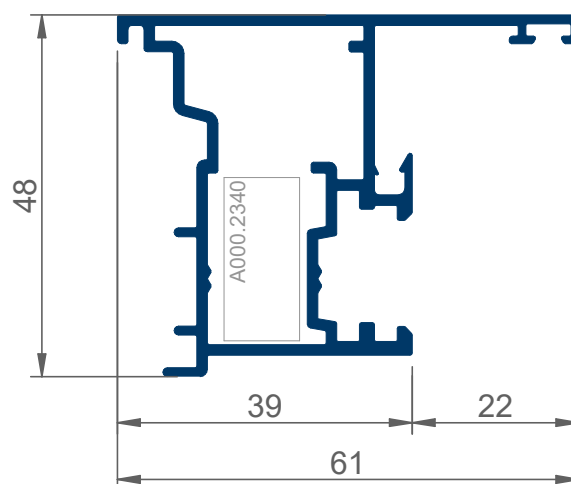


AF52 4225

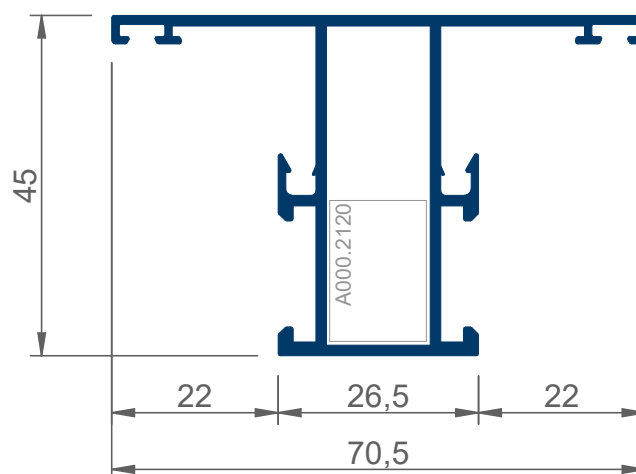




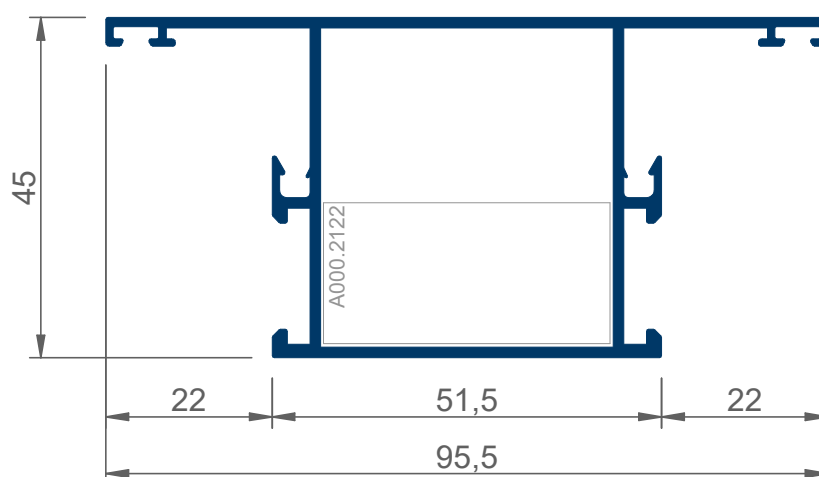
AF52 4270



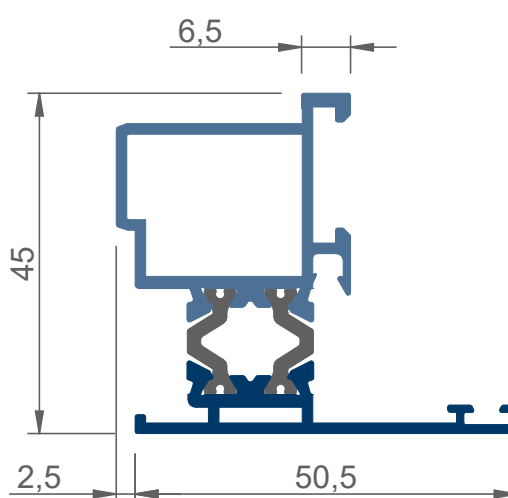
AF52 4241



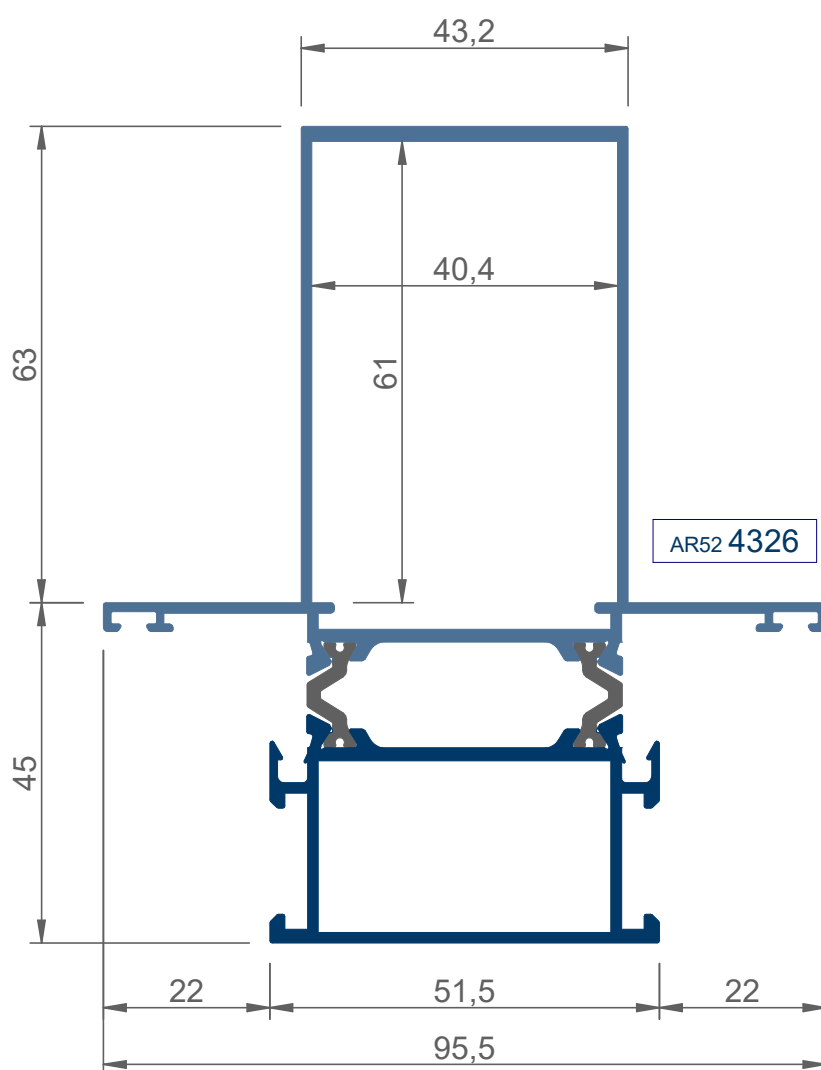
AF52 4310

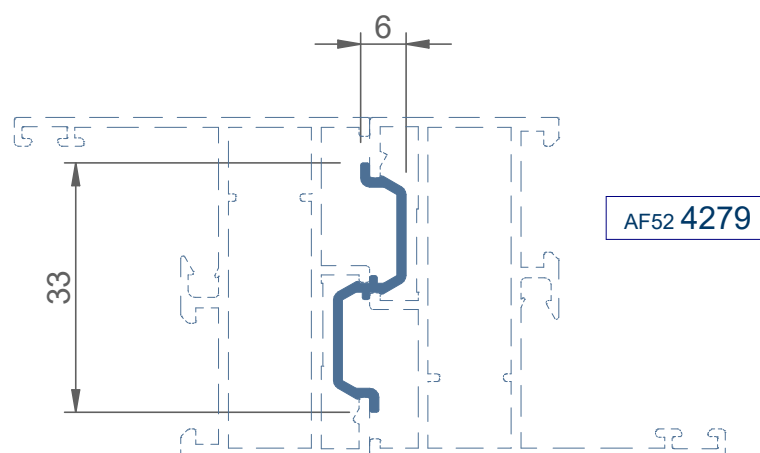
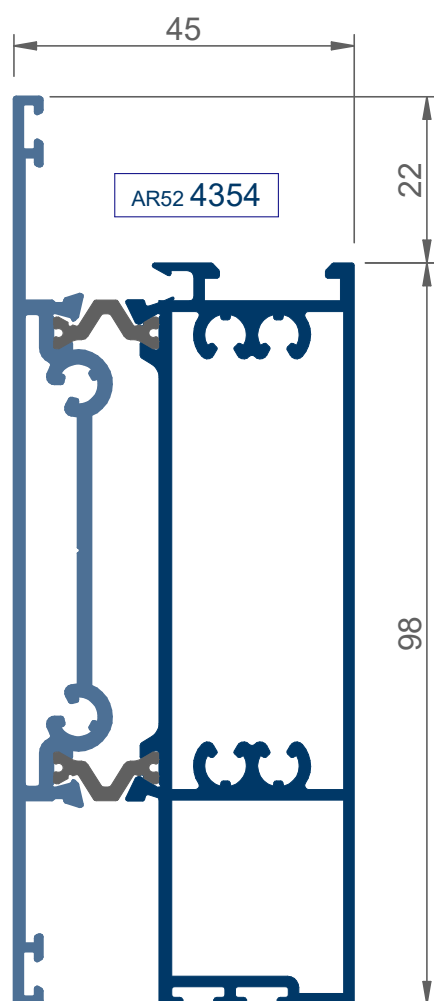


AF52 4320

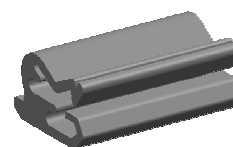
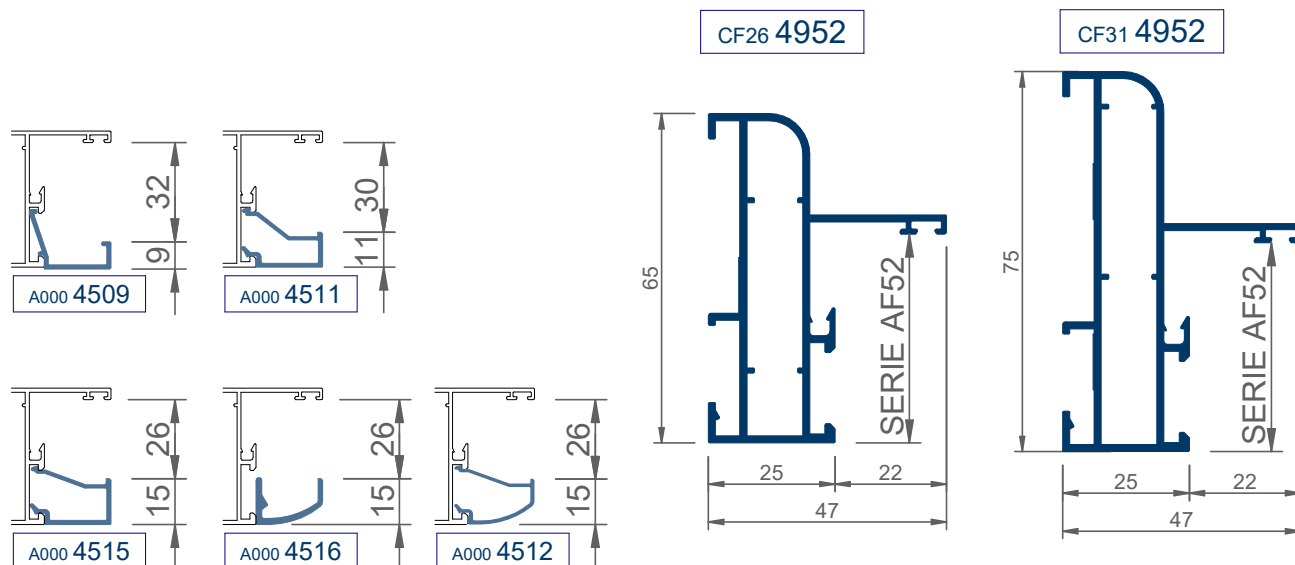


AR52 4278





Diseño
Confort
Silencio



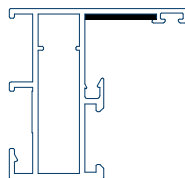
grapa junquillos elípticos

A000 2102

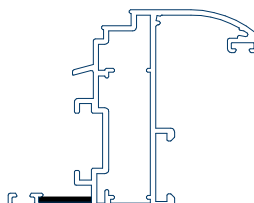


Diseño
Confort
Silencio

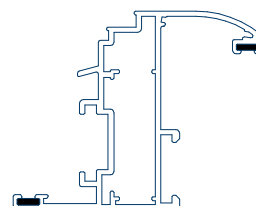
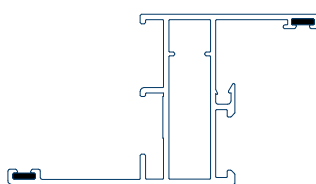
escuadra alineación alas exteriores



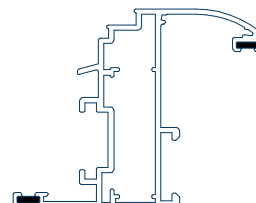
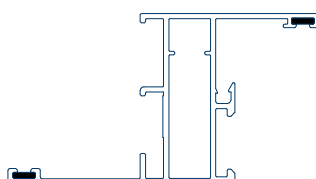
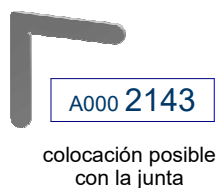
escuadra alineación ala cremona

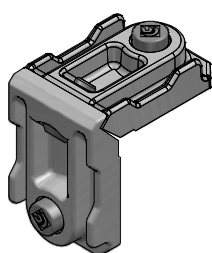


escuadra alineación multiuso

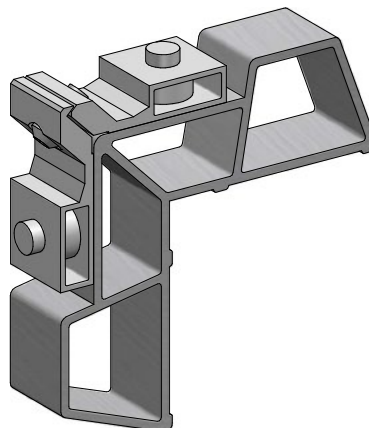


escuadra alineación multiuso (alojamiento juntas)

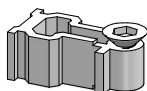




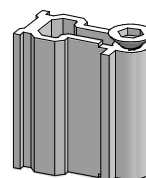
A000 2112
escuadra base



A000 2116
escuadra ancha



A000 2120
unión travesaño



A000 2122
unión montante



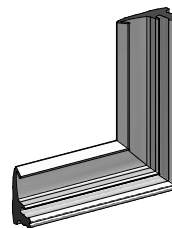
A000 2300
tapón deflector



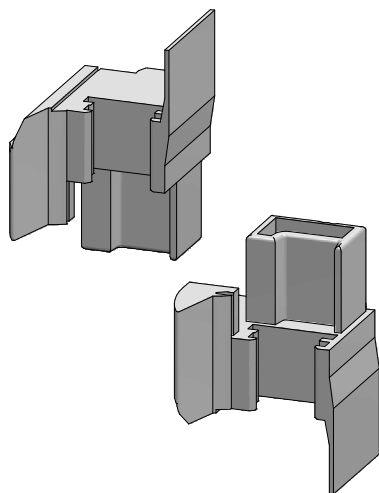
A000 2320
junta int hoja



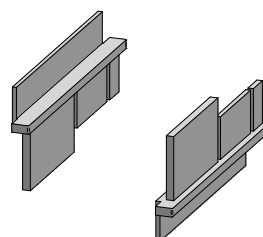
A000 2310
junta central



A000 2309
ángulo junta central



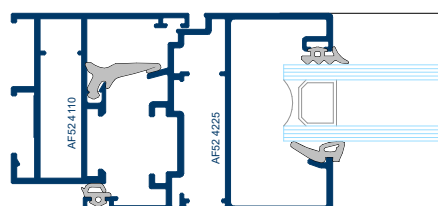
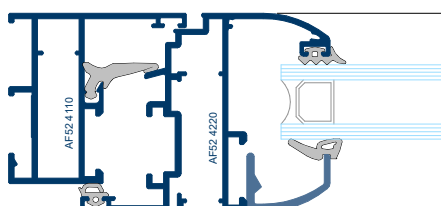
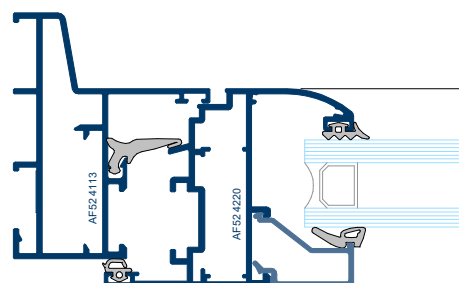
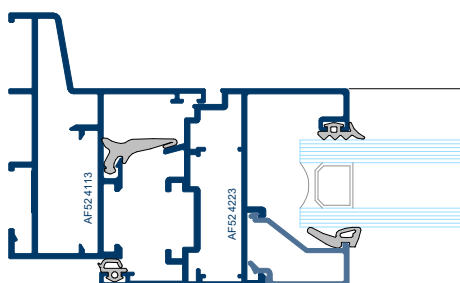
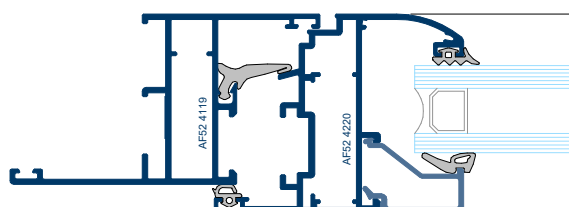
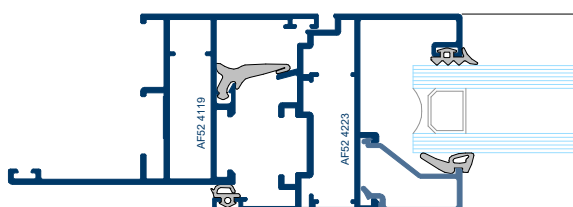
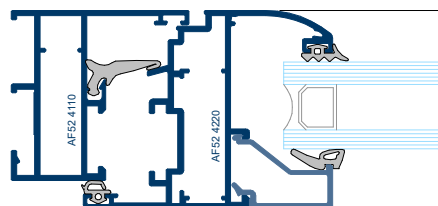
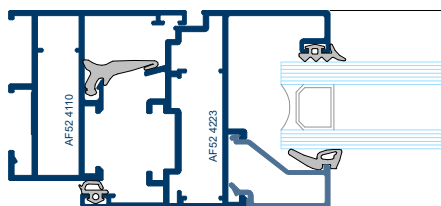
A000 2340
juego base tapas inv CE

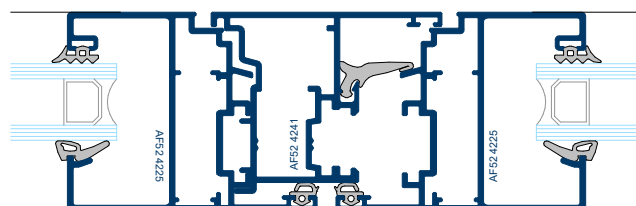
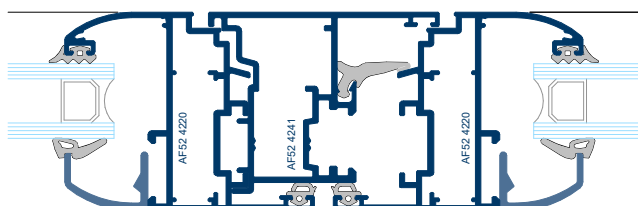
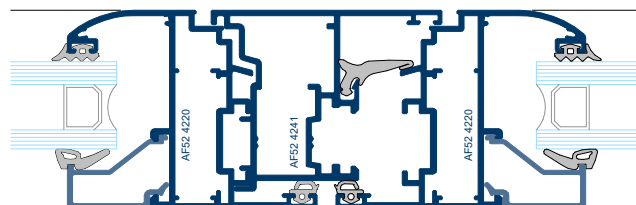
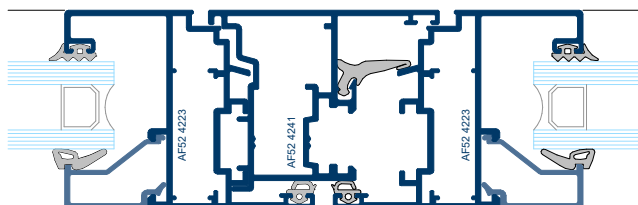
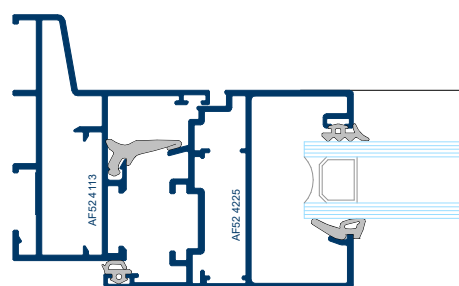
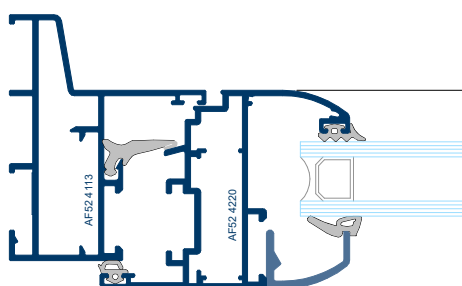
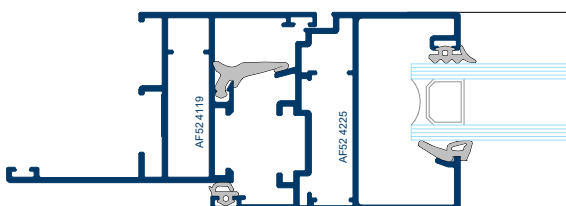
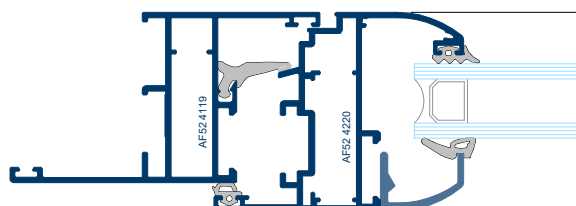


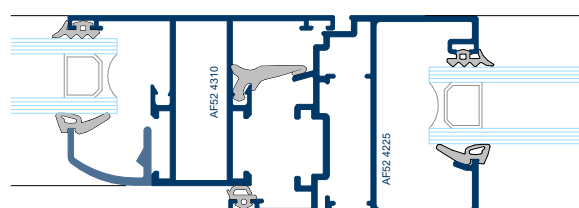
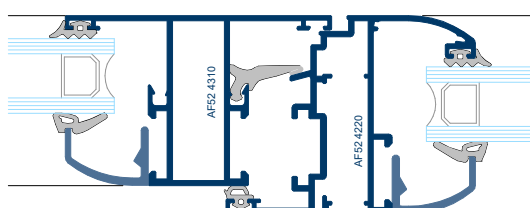
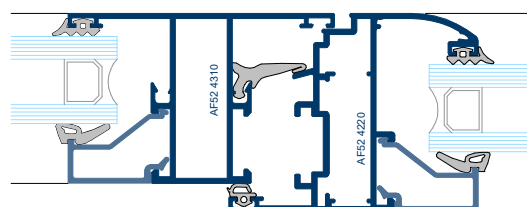
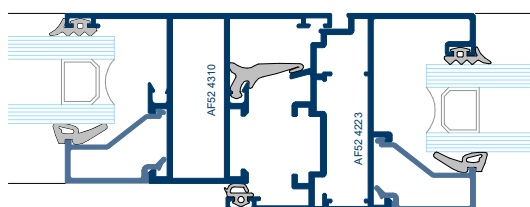
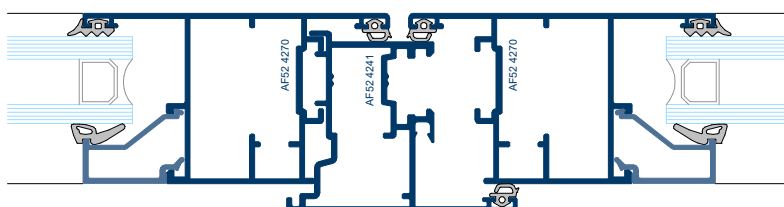
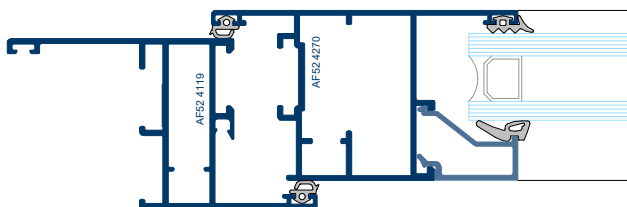
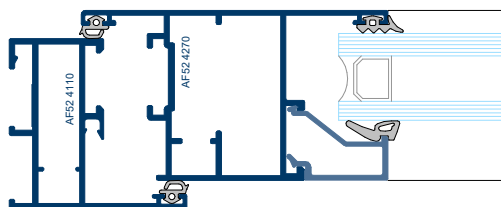
A000 2342
juego tapas ext inv recto

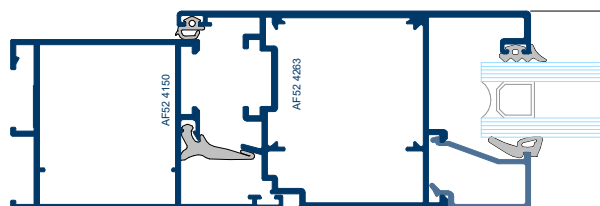
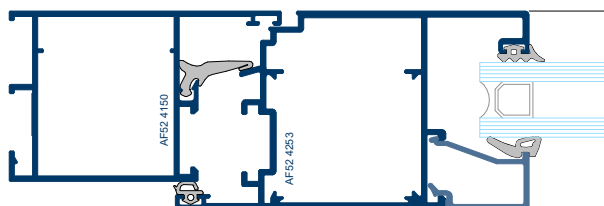
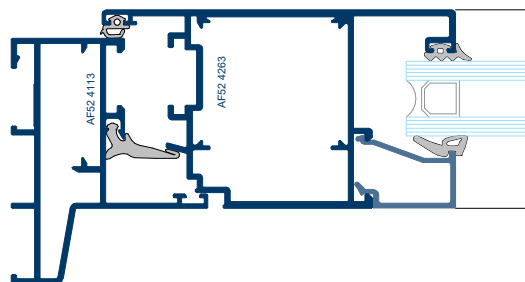
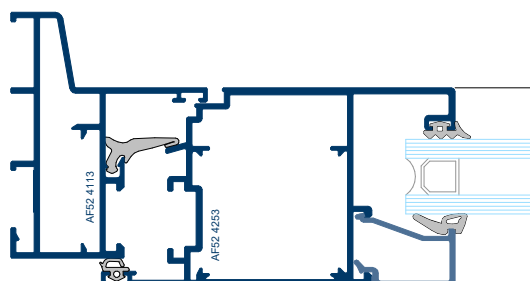
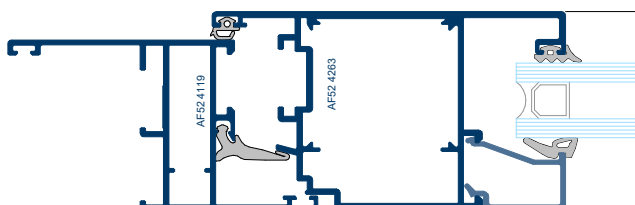
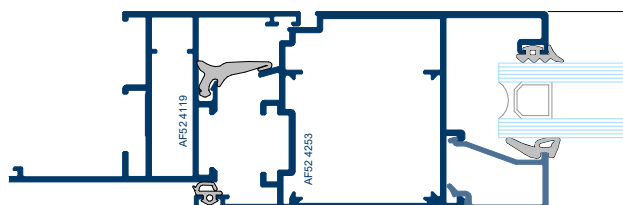
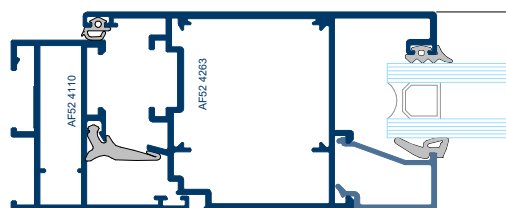
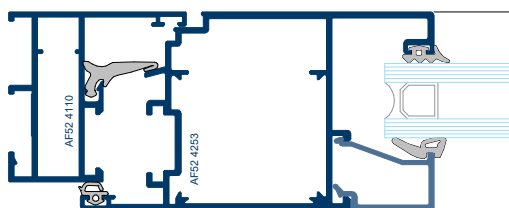
Para accesorios de Maniobra consultar catálogo específico

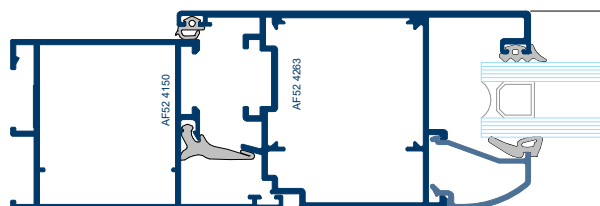
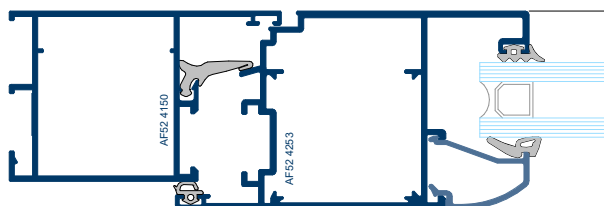
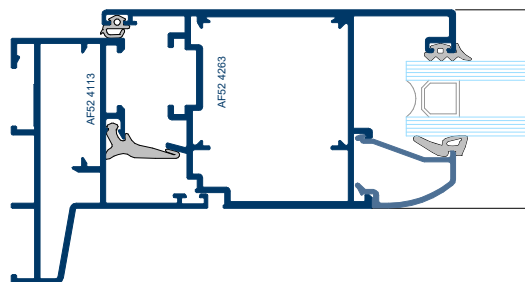
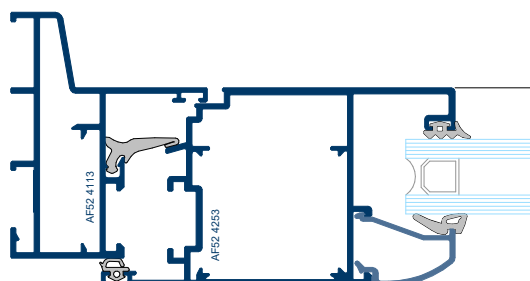
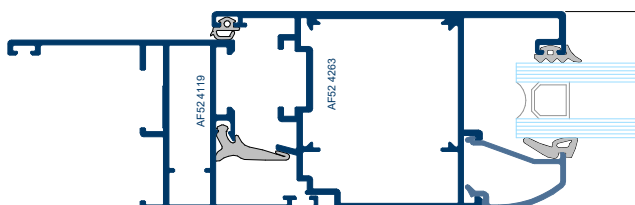
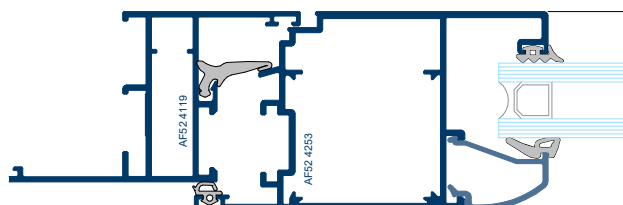
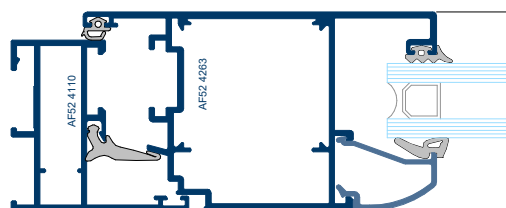
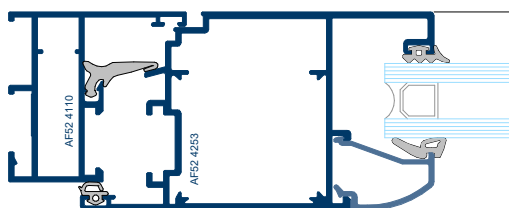
Diseño
Confort
Silencio

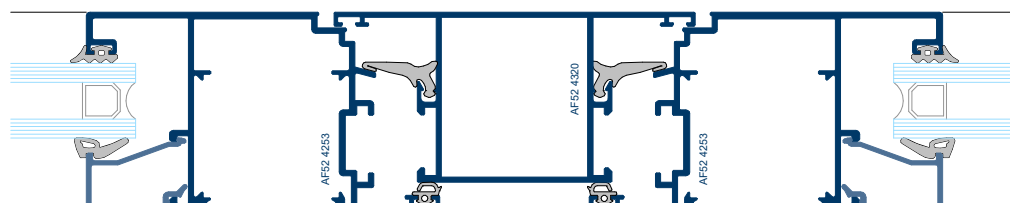
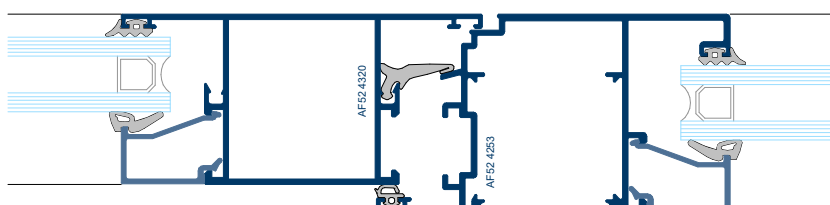
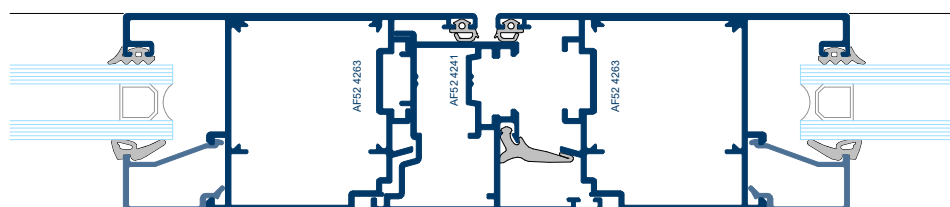
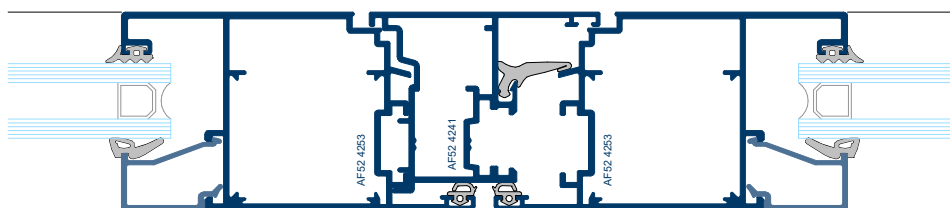


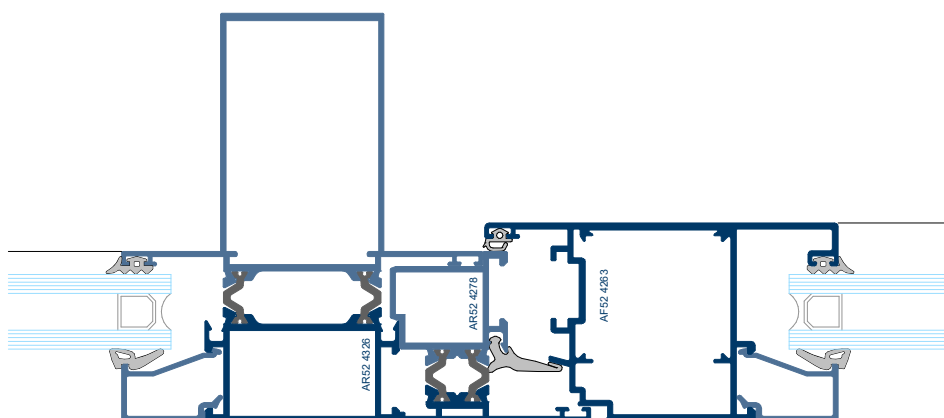
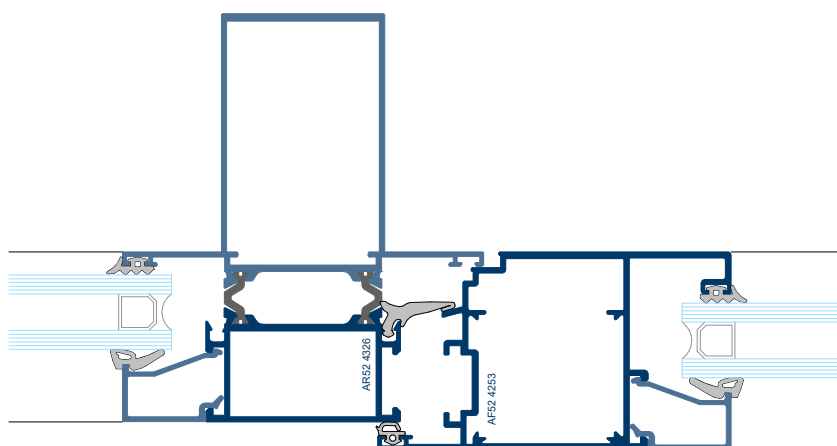
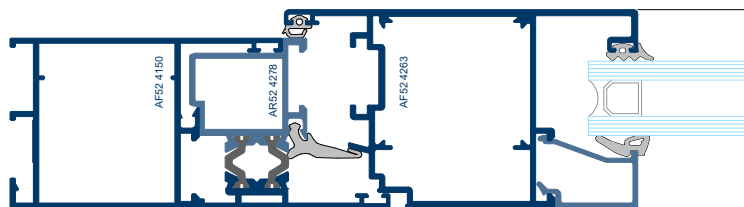


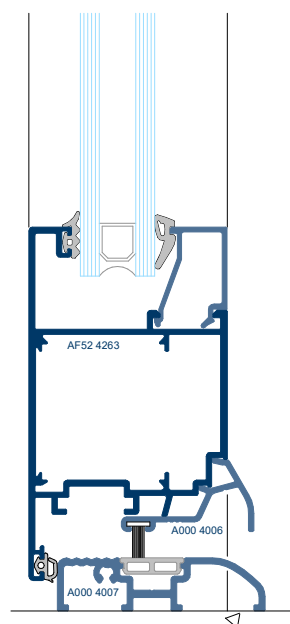
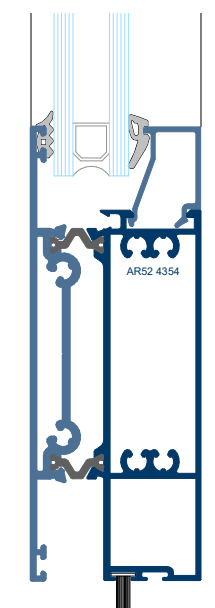
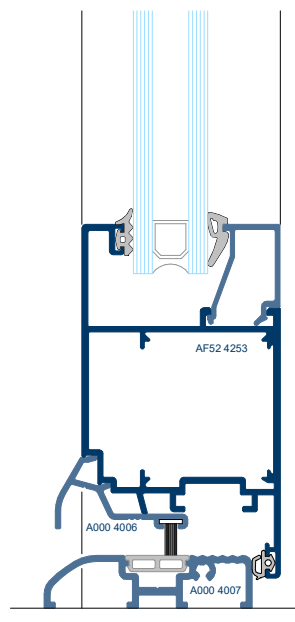


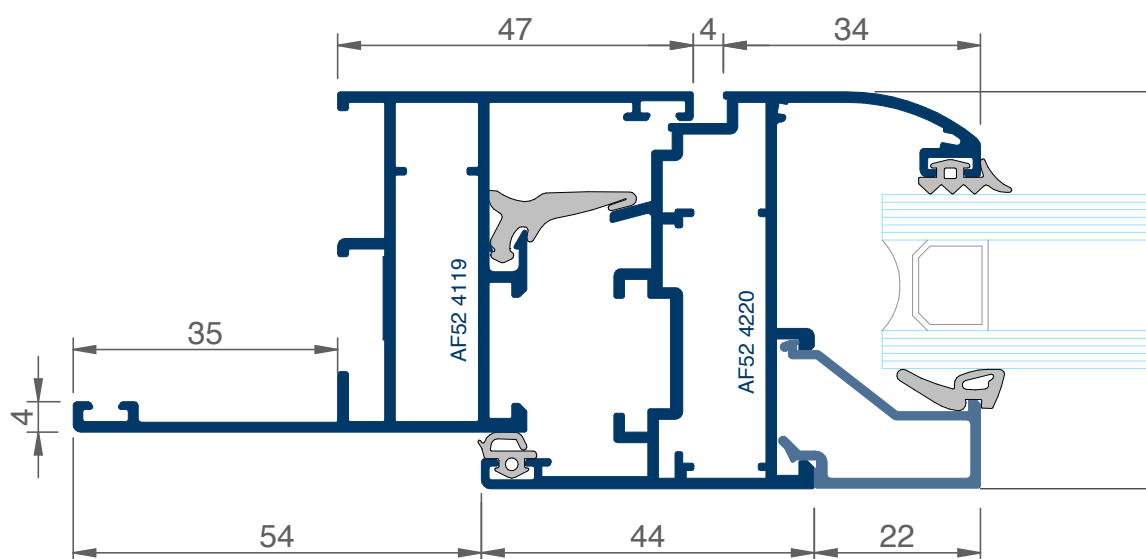
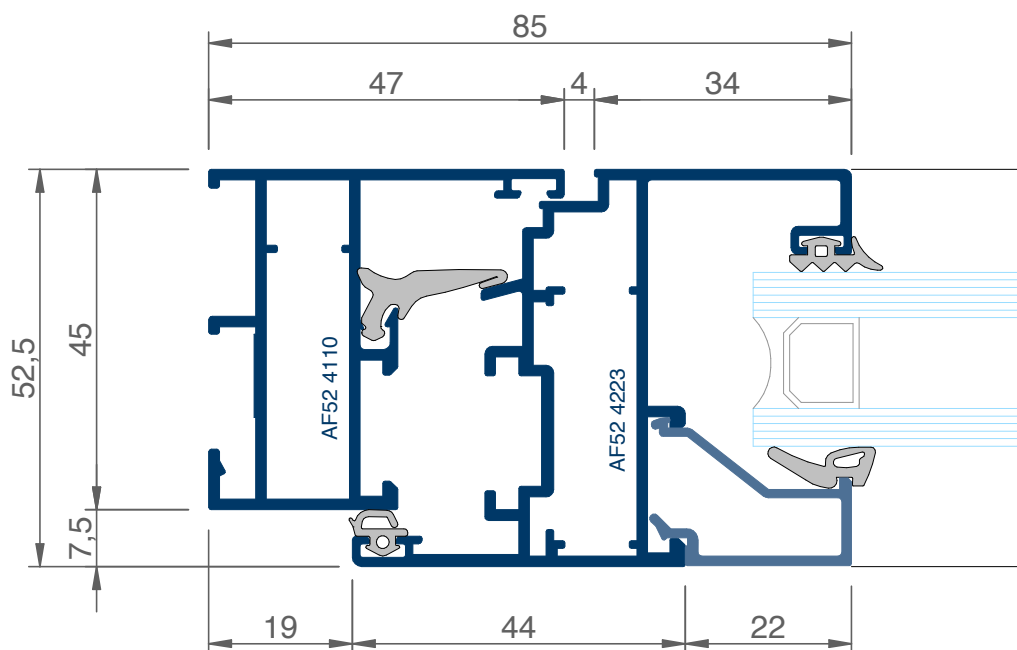


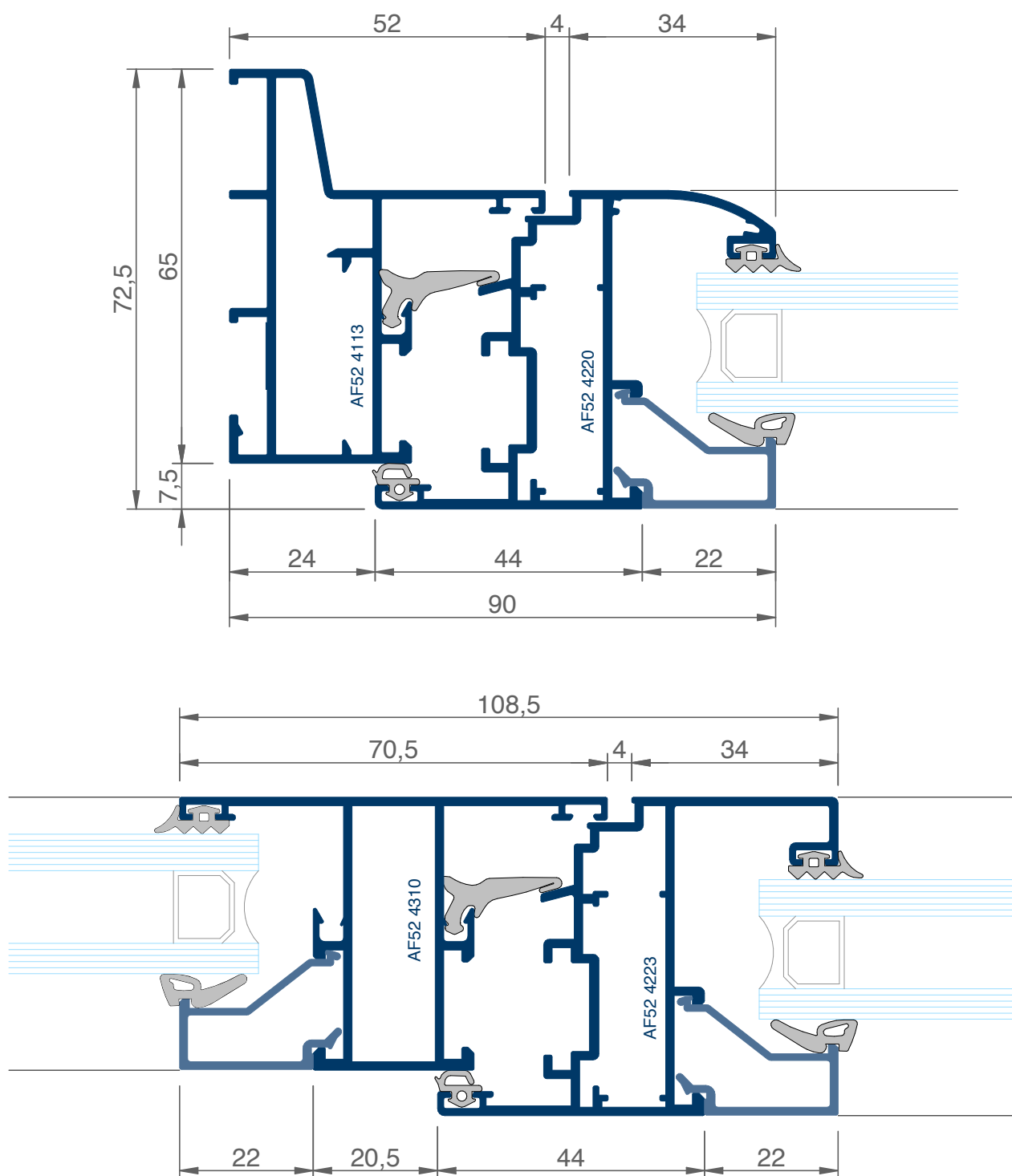


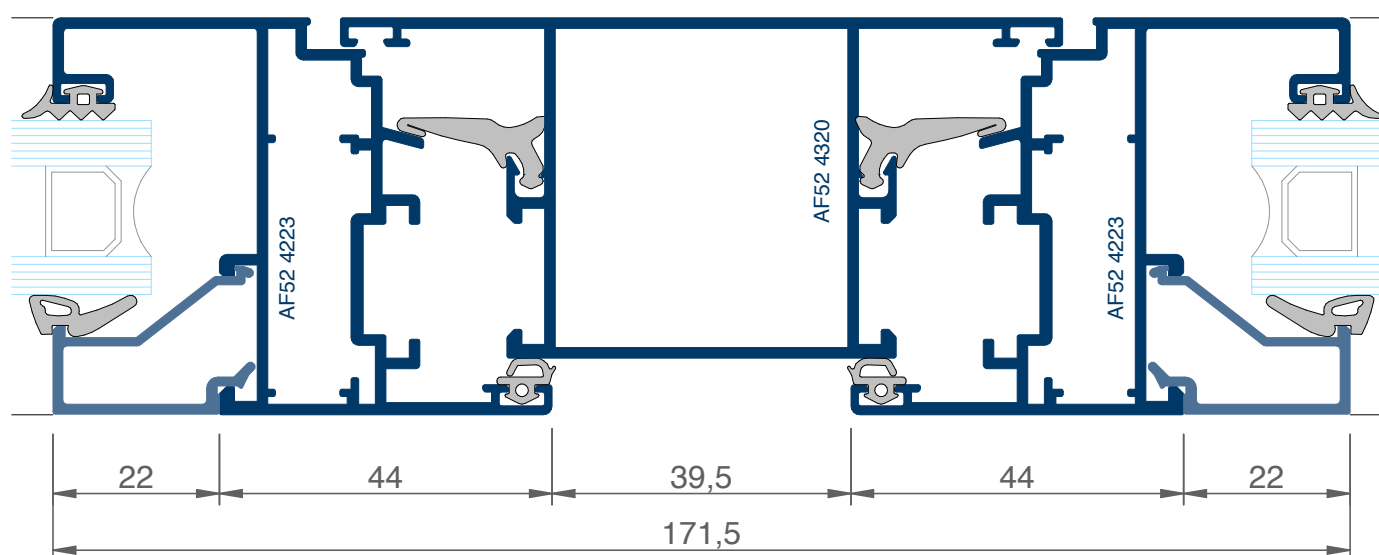
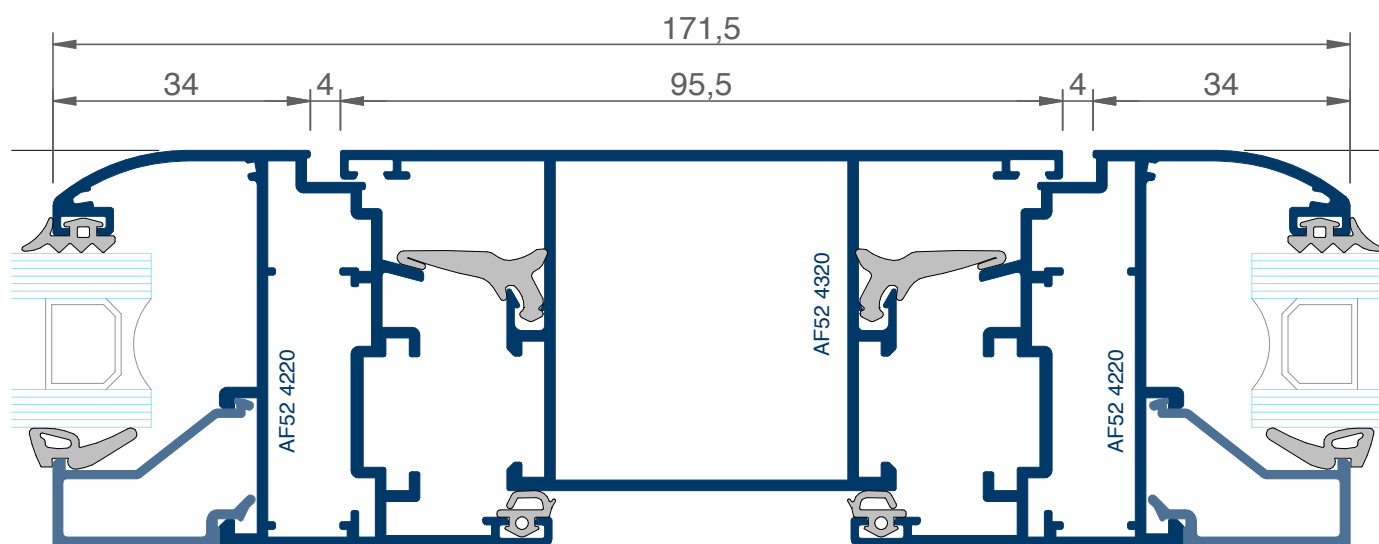


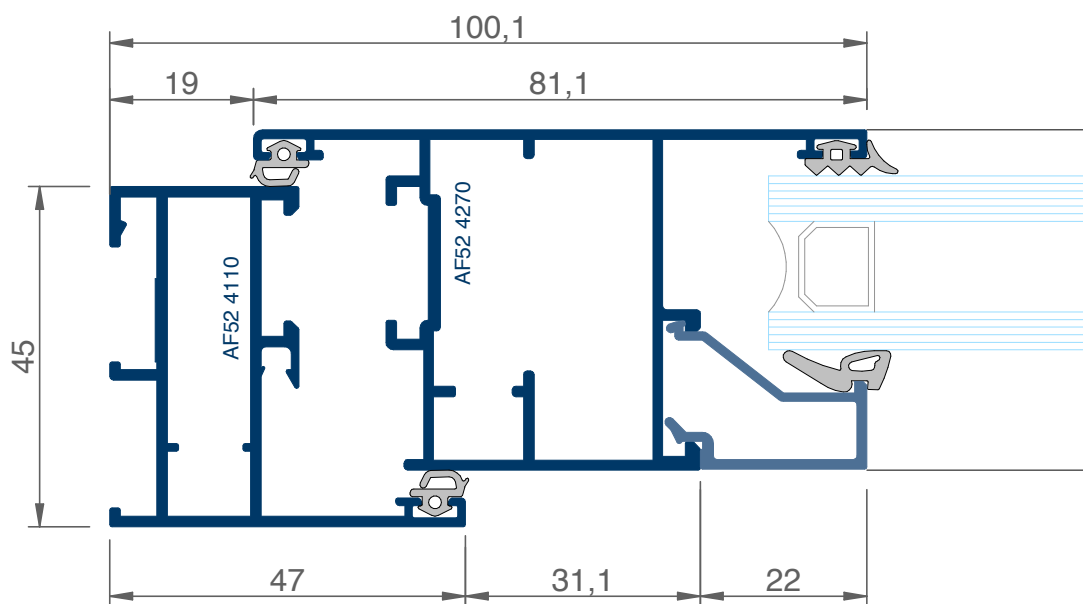
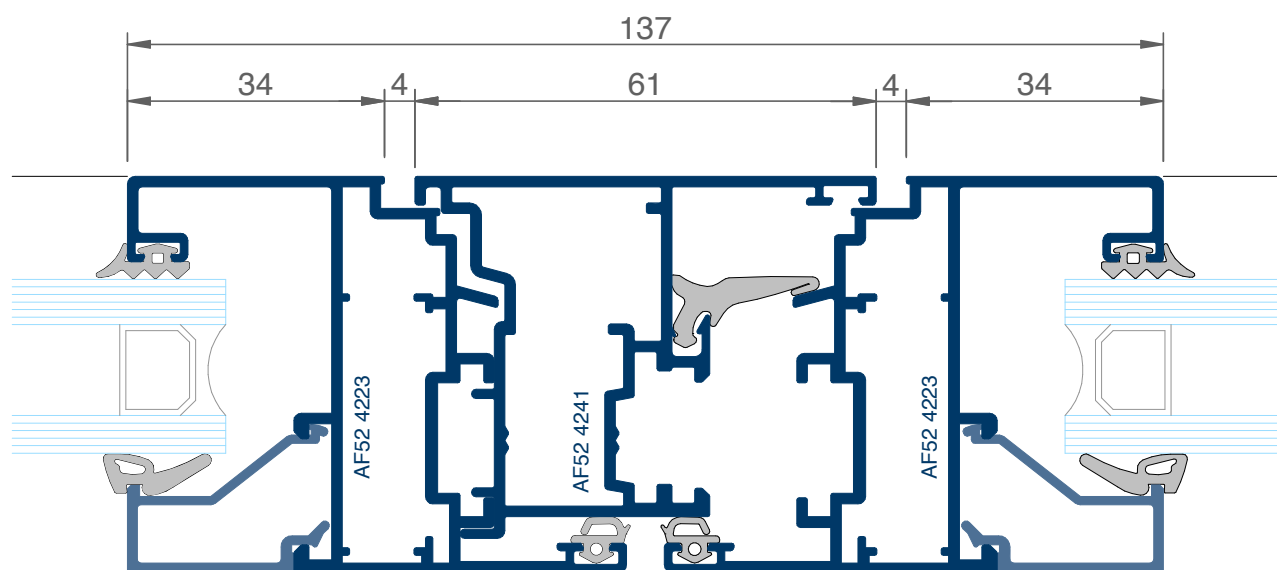


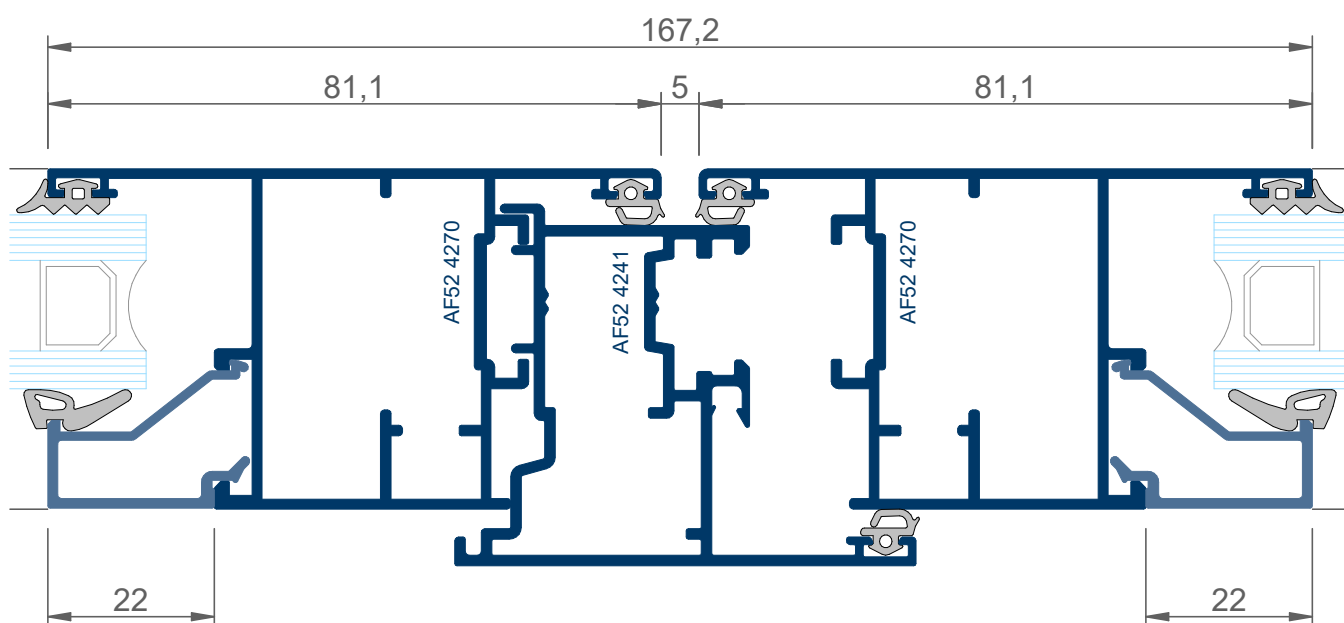
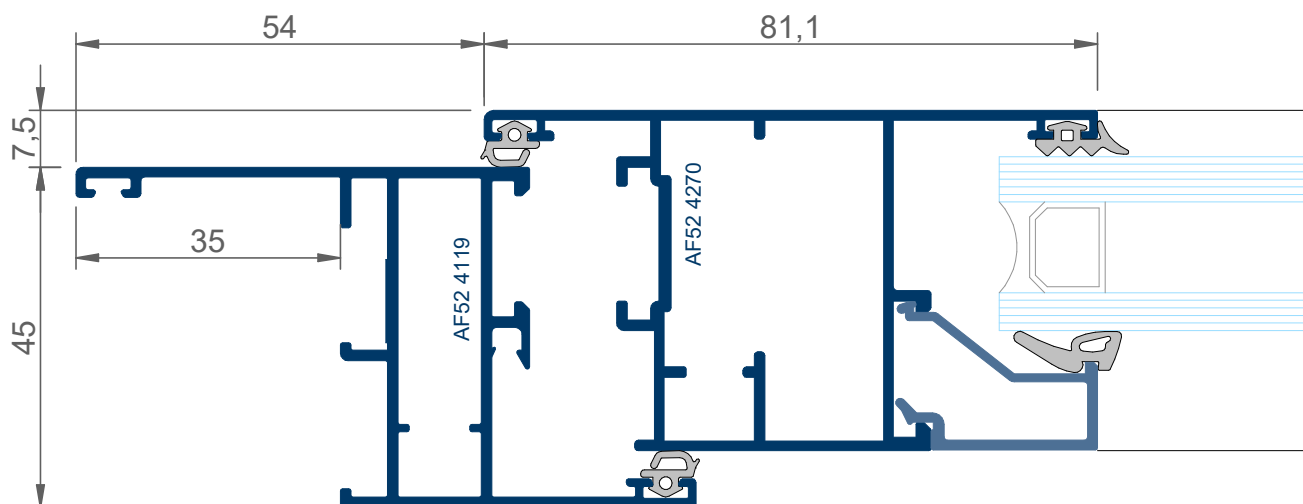


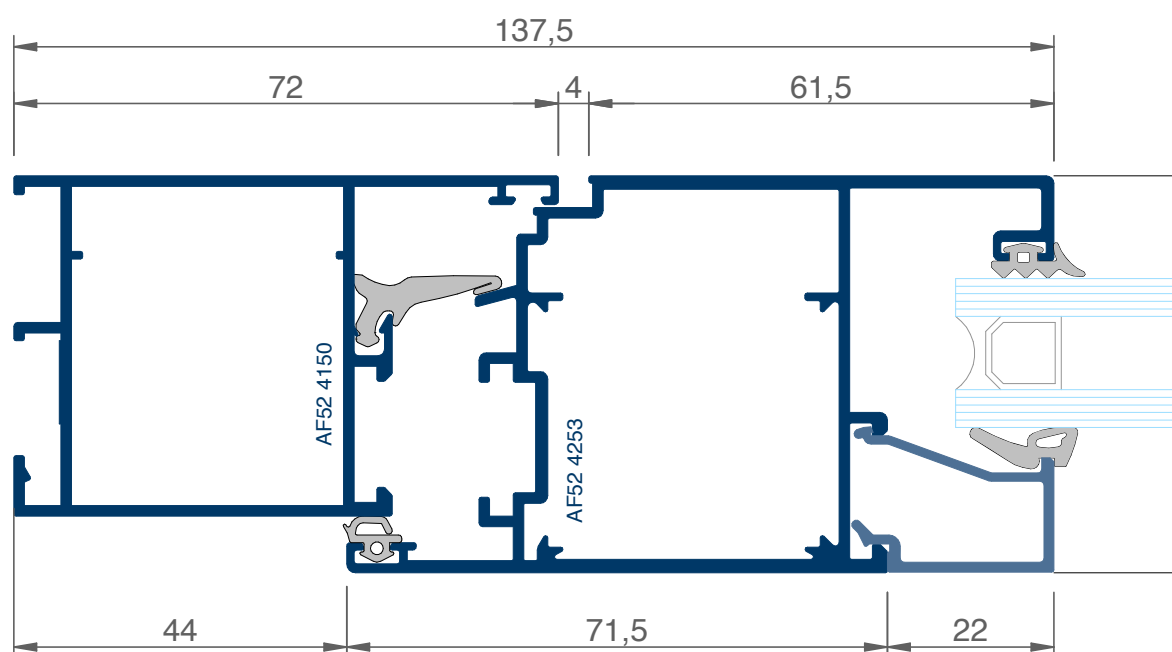
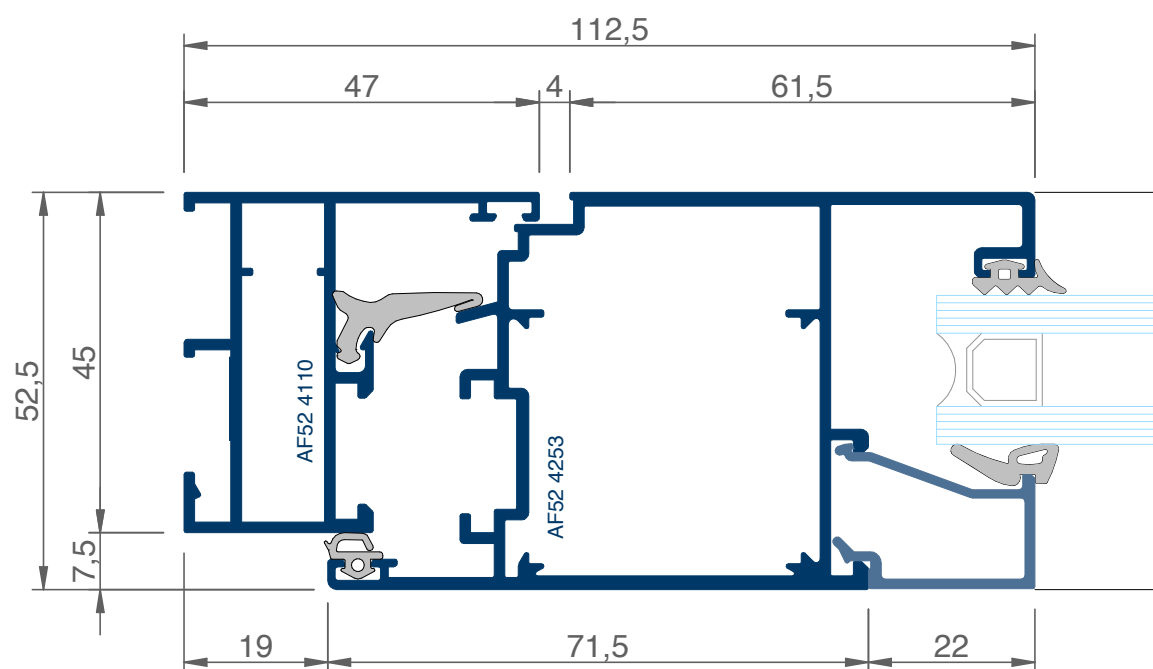


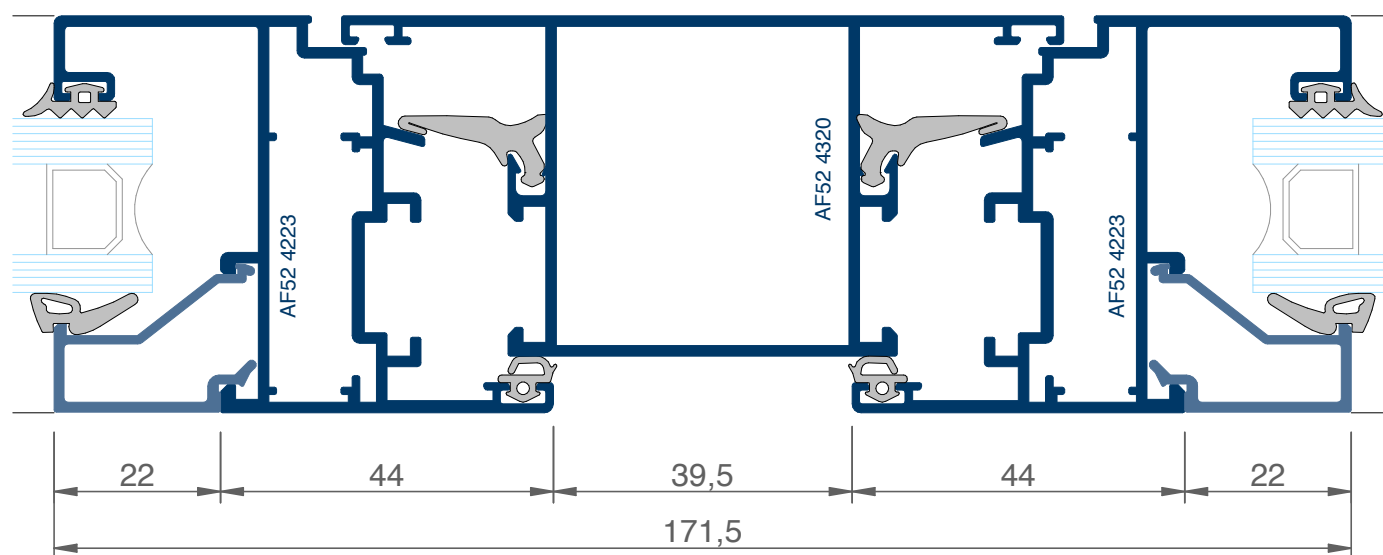
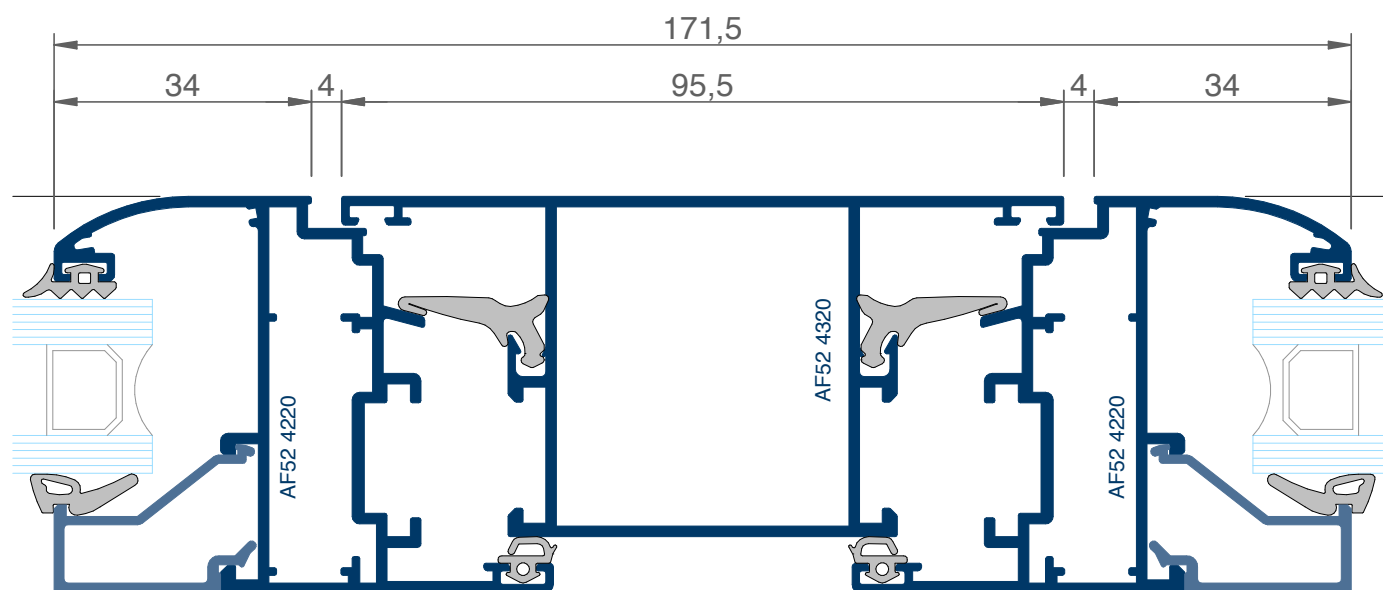


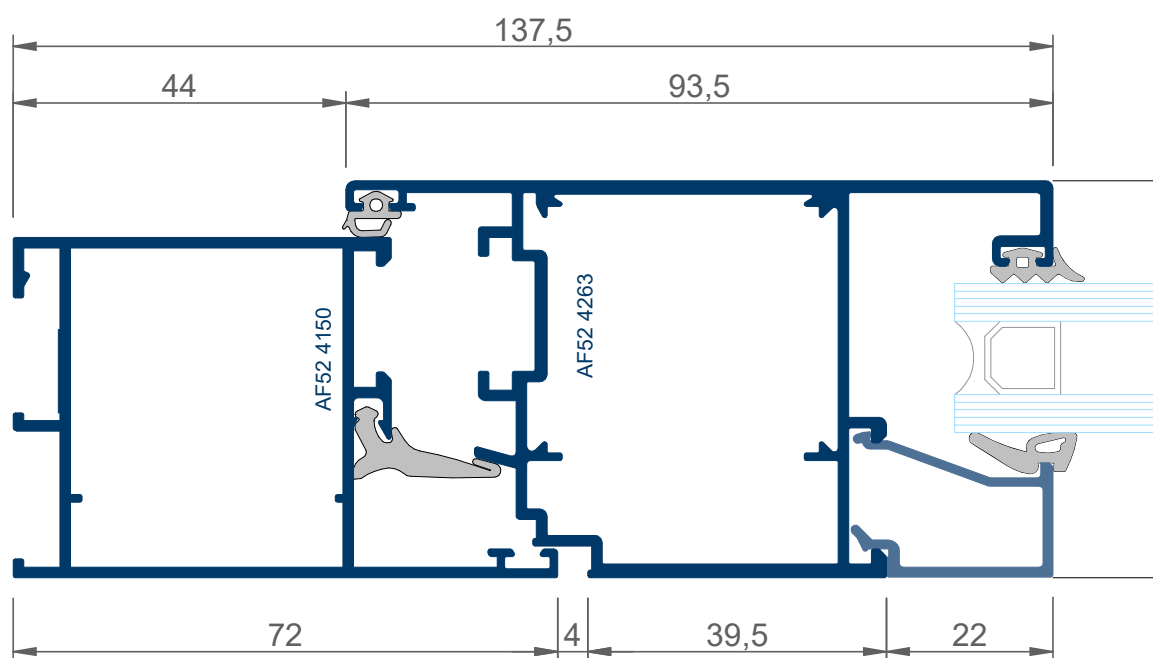
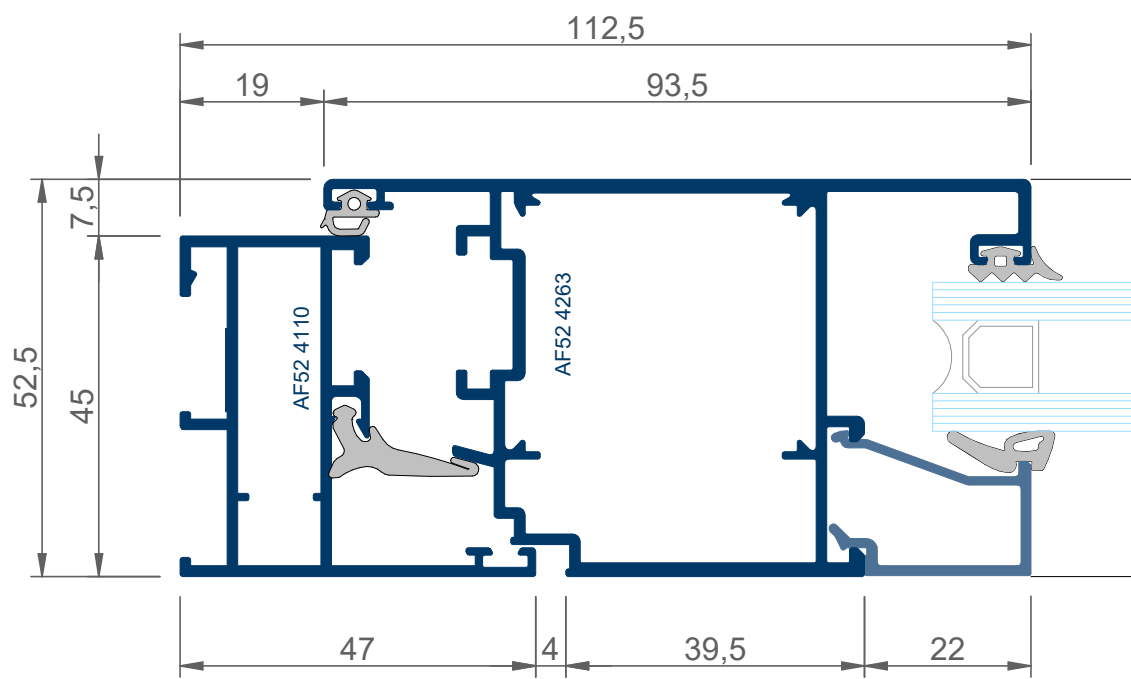


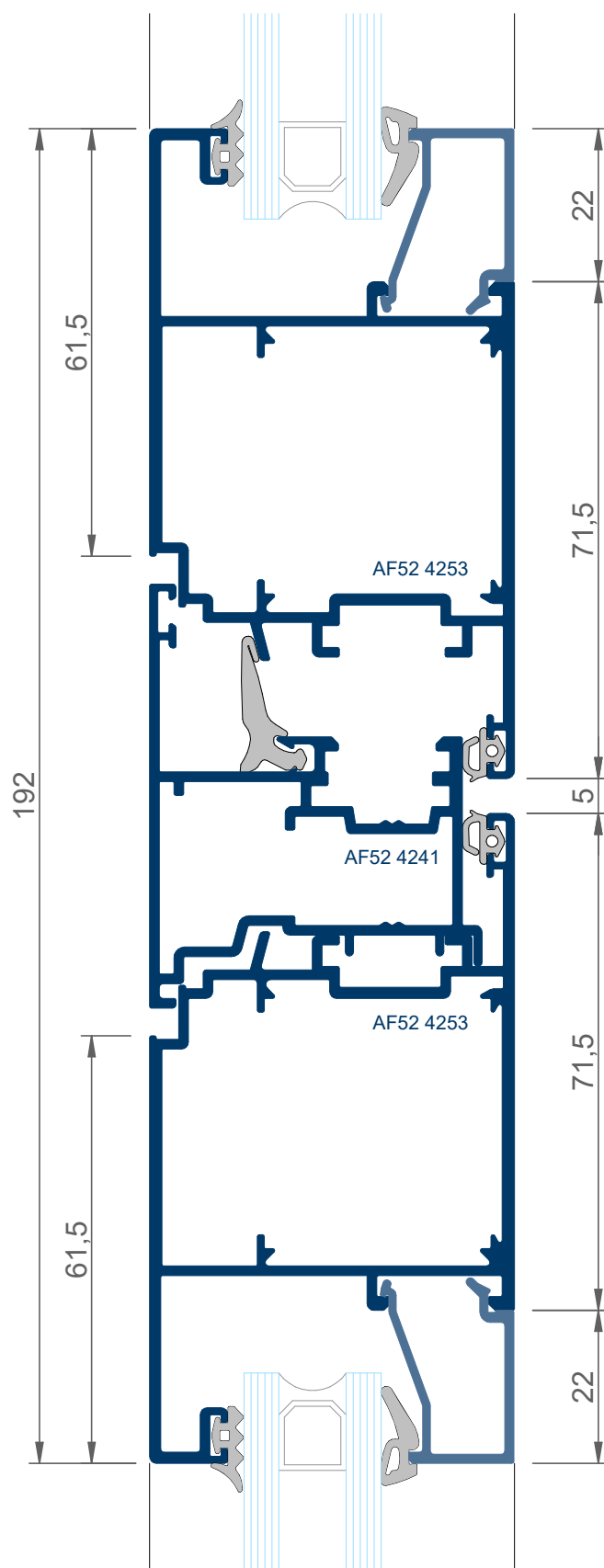




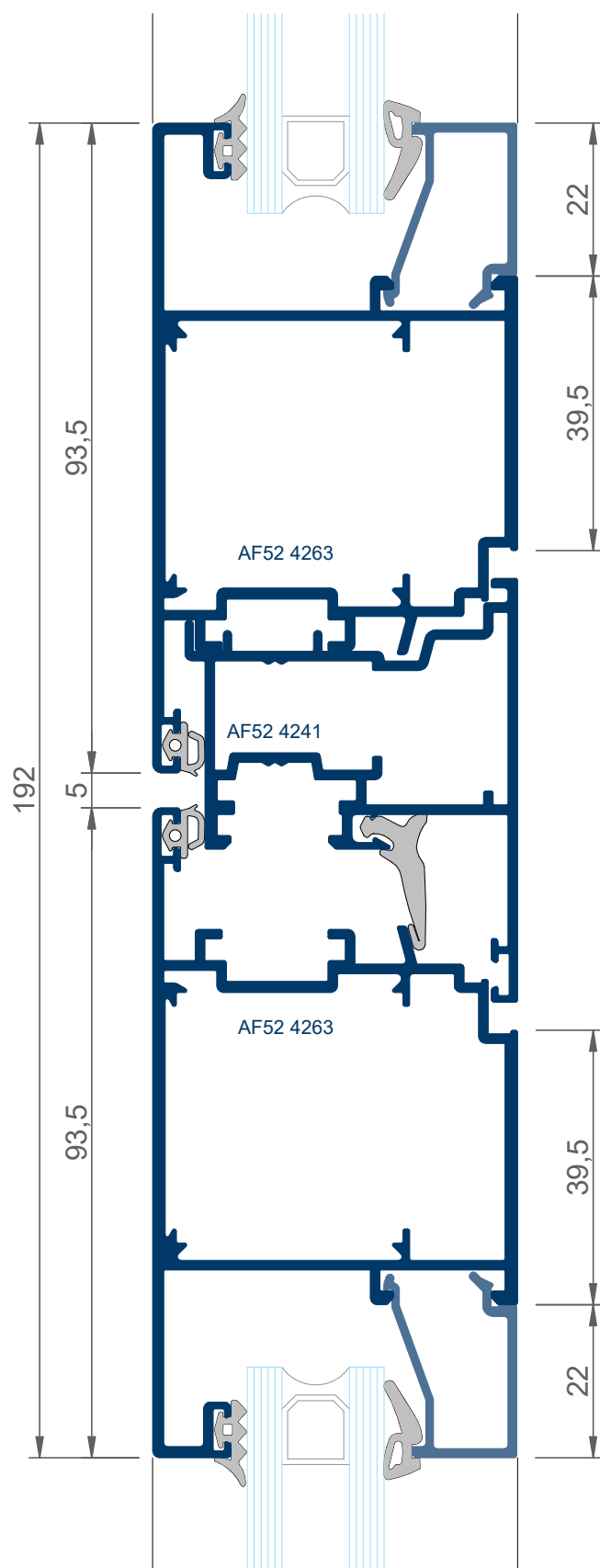




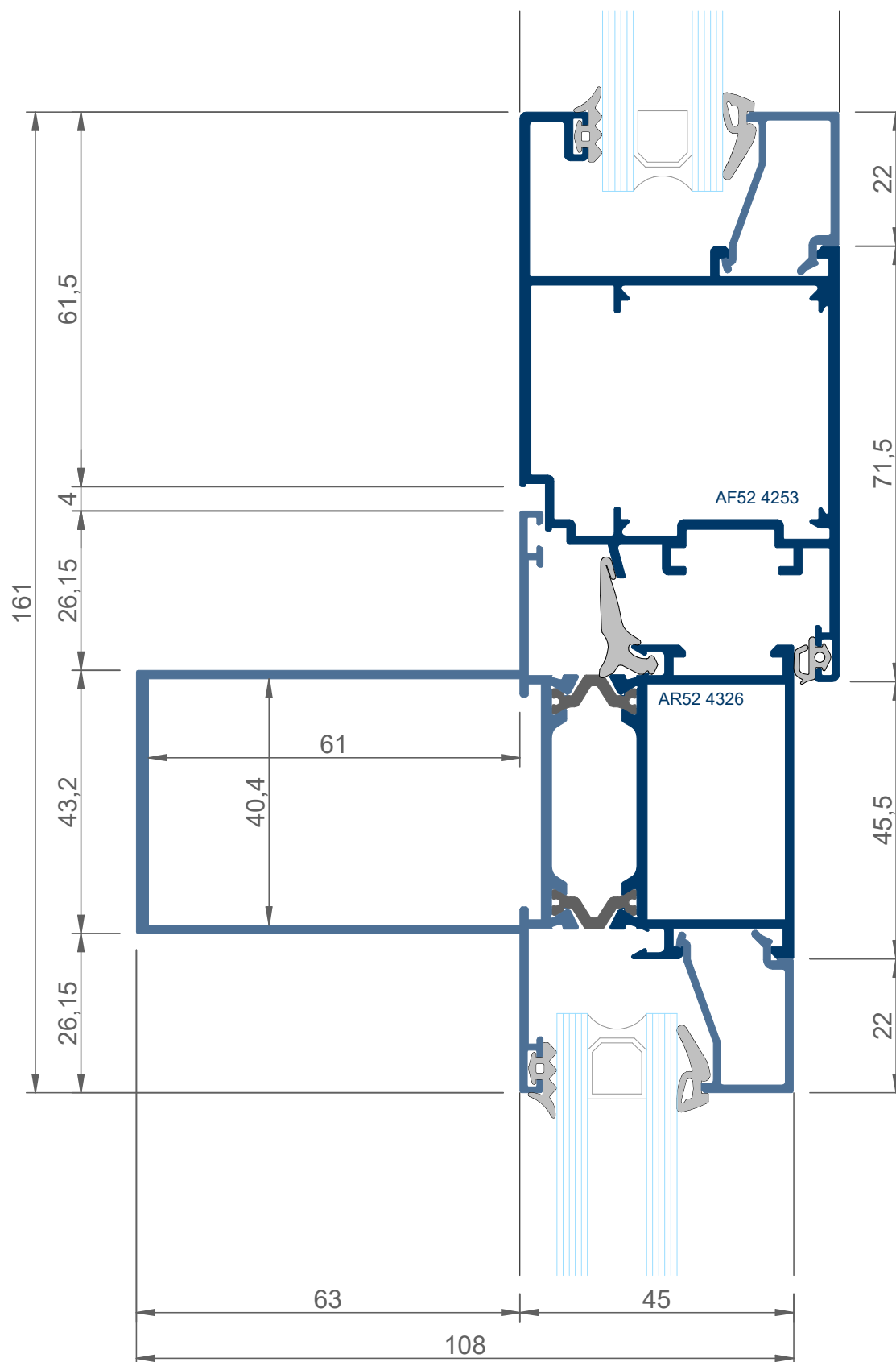




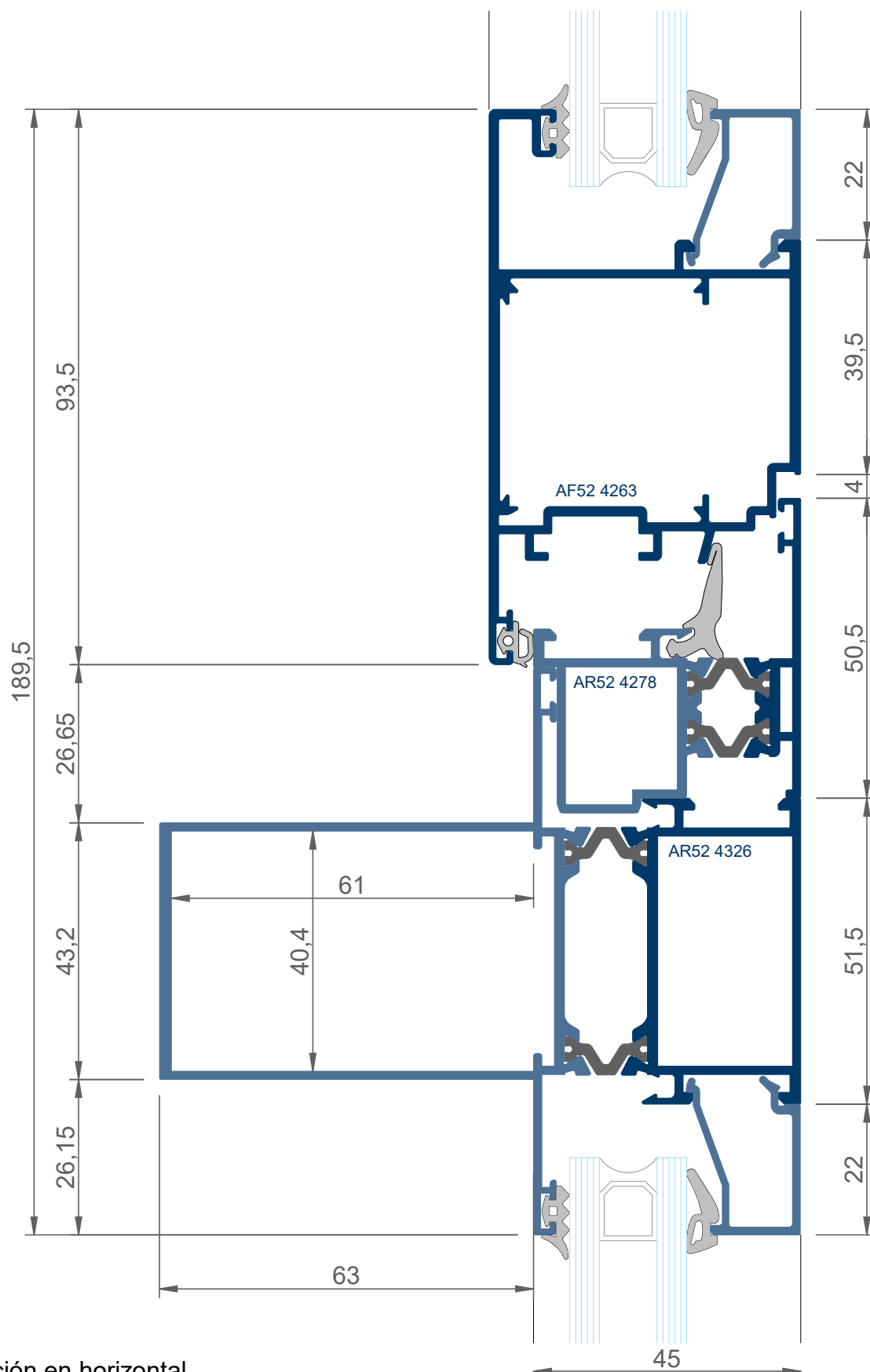
Visualización en horizontal



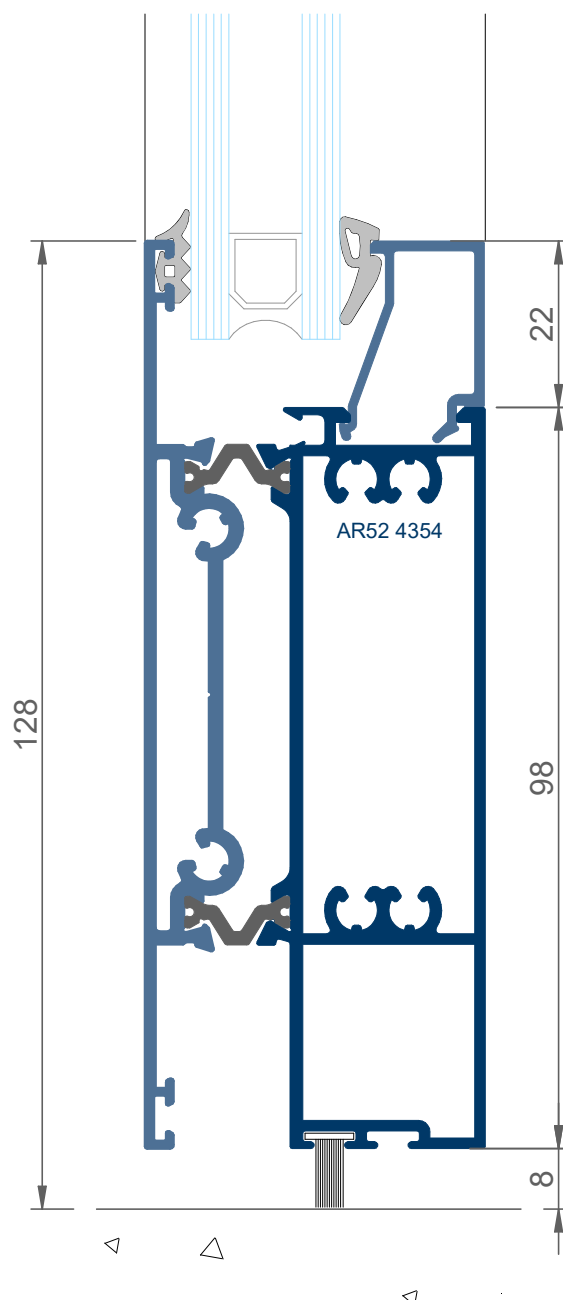
Visualización en horizontal

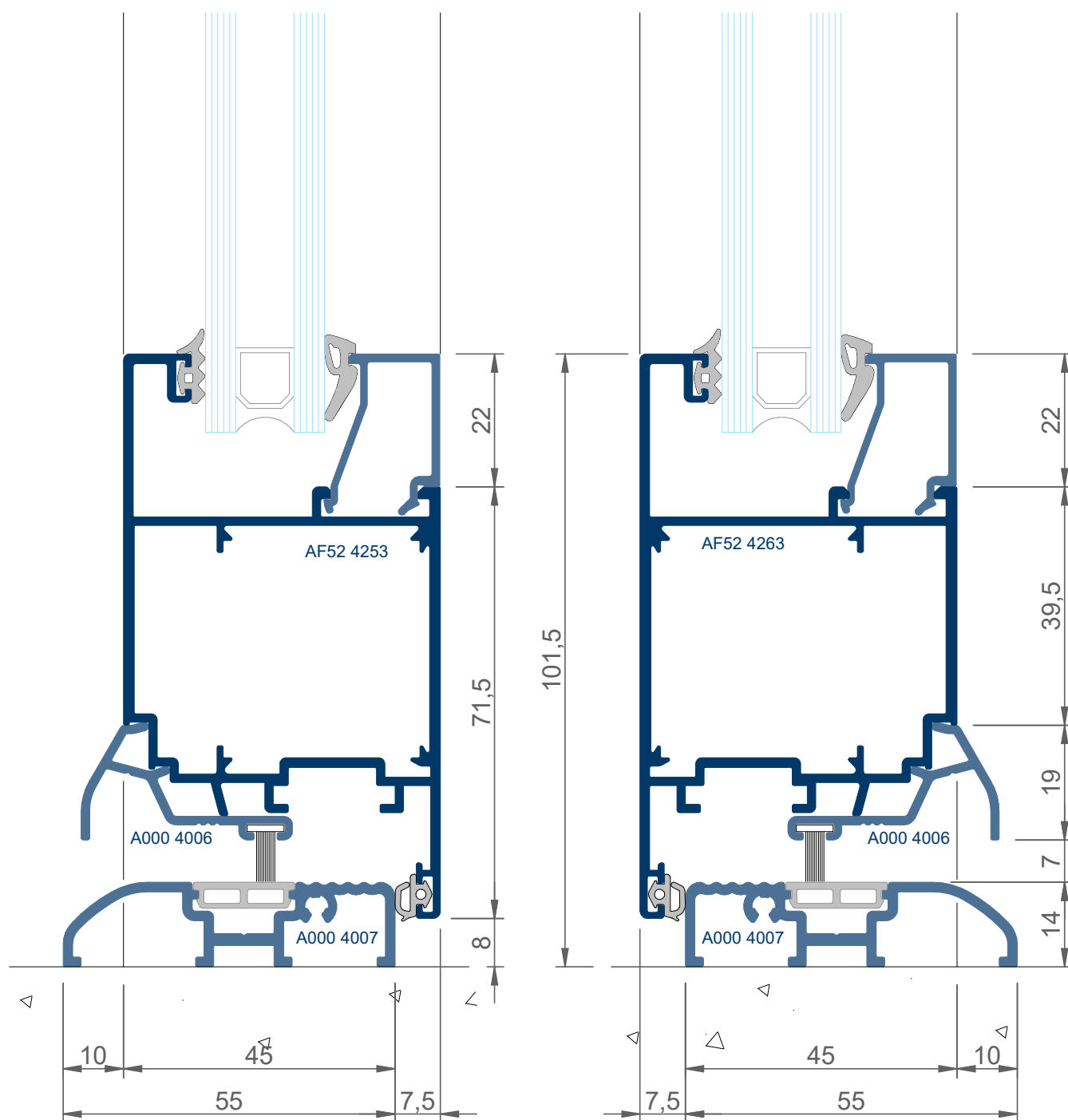


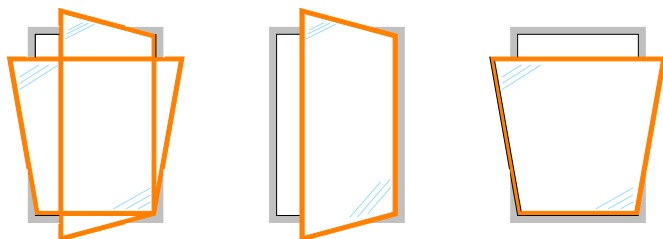
Visualización en horizontal



Visualización en horizontal



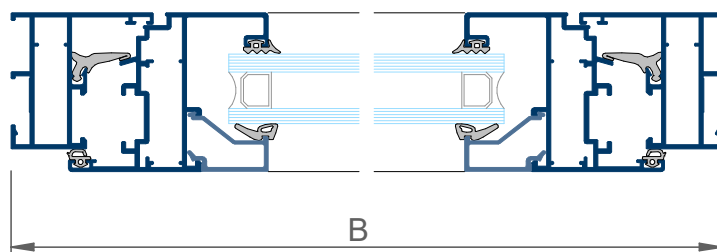
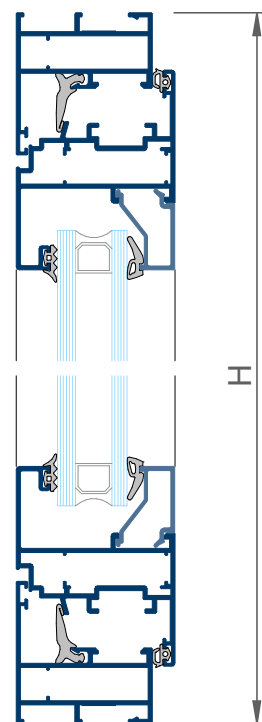


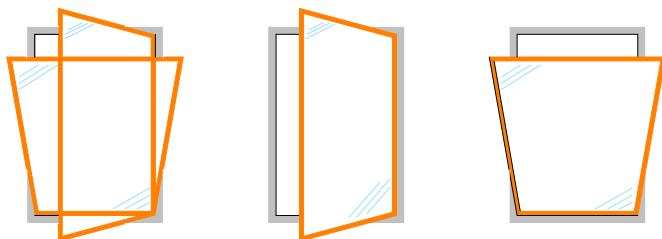


FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AF52.4110	2	B	\ --- /
marco vertical	AF52.4110	2	H	\ --- /
hoja horizontal	AF52.4223	2	B-39	\ --- /
hoja vertical	AF52.4223	2	H-39	\ --- /
junquillo recto horizontal	A000.XXXX	2	B-126	---
junquillo eliptico horizontal	A000.XXXX	2	B-126	\ --- /
junquillo recto vertical	A000.XXXX	2	H-170	---
junquillo eliptico vertical	A000.XXXX	2	H-126	\ --- /
vidrio	1		B-146 x H-146	

ACCESORIOS			UDS
escuadra	A000.2112		8
escuadra alineacion int hoja	A000.2132		4
deflector desagüe	A000.2301		2
junta central	A000.2310	2B+2H	
junta int hoja	A000.2320	2B+2H	
junta ext acristalamiento	A000.2351	2B+2H	
junta cuña int	A000.XXXX	2B+2H	

accesorios de maniobra no indicados (ver catalogo de maniobra)

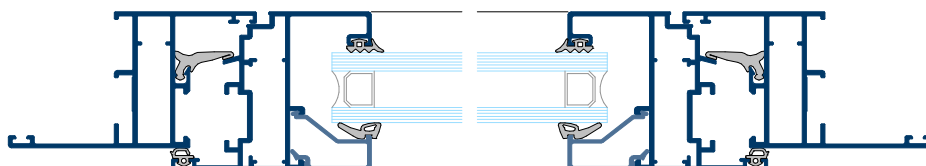
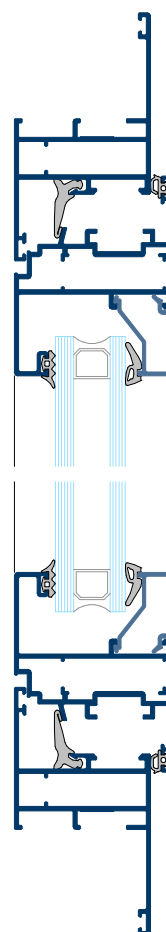


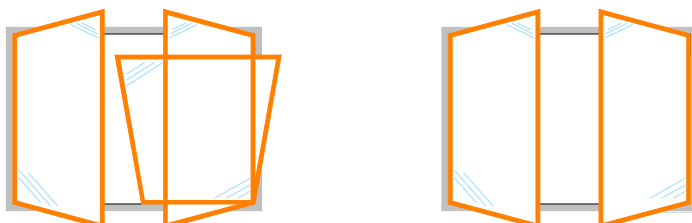


FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AF52.4119	2	B+70	\---/
marco vertical	AF52.4119	2	H+70	\---/
hoja horizontal	AF52.4223	2	B-39	\---/
hoja vertical	AF52.4223	2	H-39	\---/
junquillo recto horizontal	A000.XXXX	2	B-126	---
junquillo eliptico horizontal	A000.XXXX	2	B-126	\---/
junquillo recto vertical	A000.XXXX	2	H-170	---
junquillo eliptico vertical	A000.XXXX	2	H-126	\---/
vidrio 1 B-146 x H-146				

ACCESORIOS			UDS
escuadra	A000.2112		8
escuadra alineacion int hoja	A000.2132		4
deflector desagüe	A000.2301		2
junta central	A000.2310		2B+2H
junta int hoja	A000.2320		2B+2H
junta ext acristalamiento	A000.2351		2B+2H
junta cuña int	A000.XXXX		2B+2H

accesorios de maniobra no indicados (ver catalogo de maniobra)





FORMULAS DE CORTE

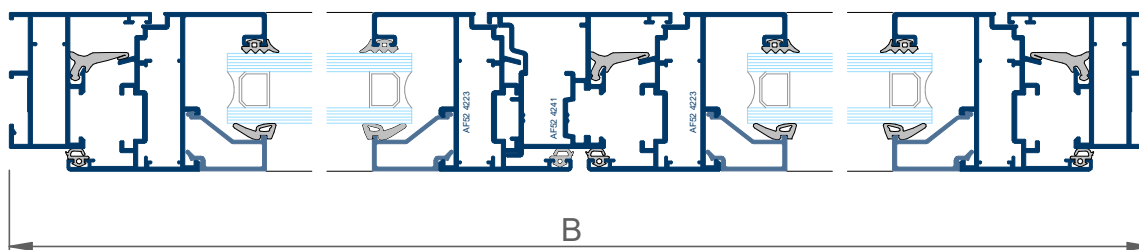
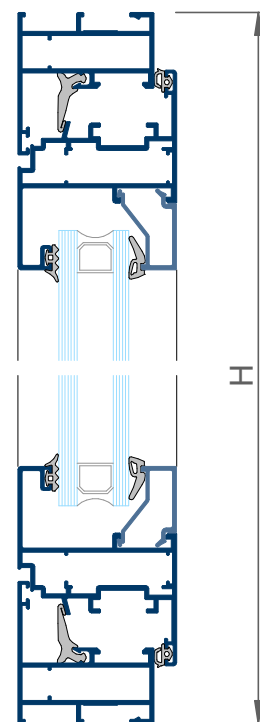
	UDS	FORMULA	FORMA
marco horizontal AF52.4110	2	B	\ --- /
marco vertical AF52.4110	2	H	\ --- /
hoja horizontal AF52.4223	4	(B-44)/2	\ --- /
hoja vertical AF52.4223	4	H-39	\ --- /
inversor doble hoja AF52.4241	1	H-107	---
junquillo recto horizontal A000.XXXX	4	(B-220)/2	---
junquillo eliptico horizontal A000.XXXX	4	(B-220)/2	\ --- /
junquillo recto vertical A000.XXXX	4	H-170	---
junquillo eliptico vertical A000.XXXX	4	H-126	\ --- /

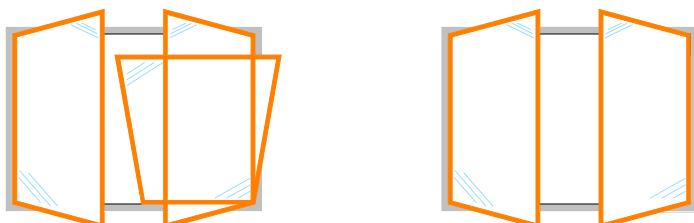
vidrio 2 (B-259)/2 x H-146

ACCESORIOS

	UDS
escuadra A000.2112	12
escuadra alineacion int hoja A000.2132	8
deflector desagüe A000.2301	3
junta central A000.2310	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

accesorios de maniobra no indicados (ver catalogo de maniobra)





FORMULAS DE CORTE

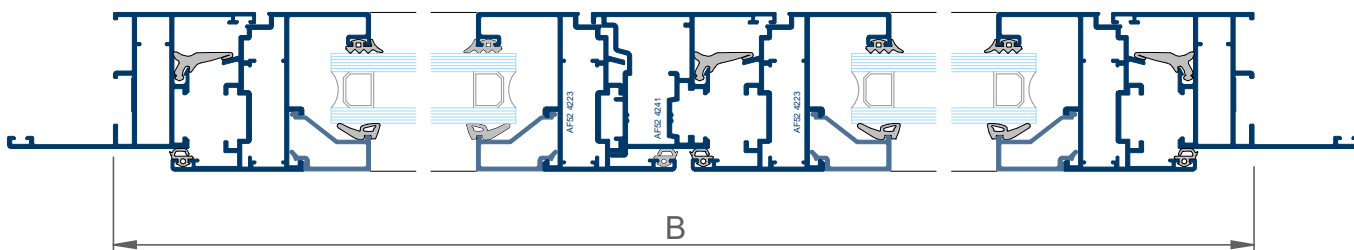
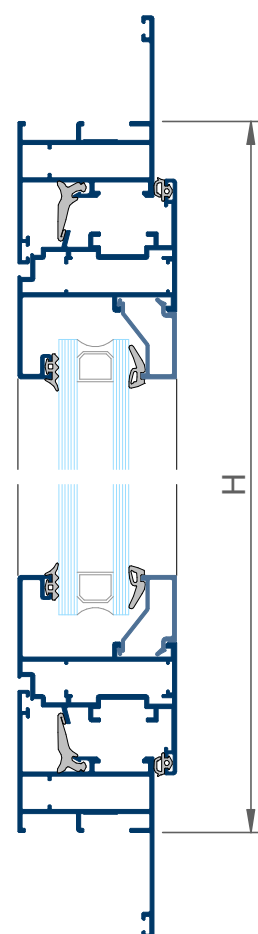
	UDS	FORMULA	FORMA
marco horizontal	AF52.4119	2	$B + 70$ \ --- /
marco vertical	AF52.4119	2	$H + 70$ \ --- /
hoja horizontal	AF52.4223	4	$(B-44)/2$ \ --- /
hoja vertical	AF52.4223	4	$H-39$ \ --- /
inversor doble hoja	AF52.4241	1	$H-107$ ---
junquillo recto horizontal	A000.XXXX	4	$(B-220)/2$ ---
junquillo eliptico horizontal	A000.XXXX	4	$(B-220)/2$ \ --- /
junquillo recto vertical	A000.XXXX	4	$H-170$ ---
junquillo eliptico vertical	A000.XXXX	4	$H-126$ \ --- /

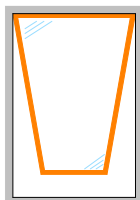
vidrio 2 $(B-259)/2 \times H-146$

ACCESORIOS

	UDS
escuadra	A000.2112 12
escuadra alineacion int hoja	A000.2132 8
deflector desagüe	A000.2301 3
junta central	A000.2310 $2B+3H$
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

accesorios de maniobra no indicados (ver catálogo de maniobra)

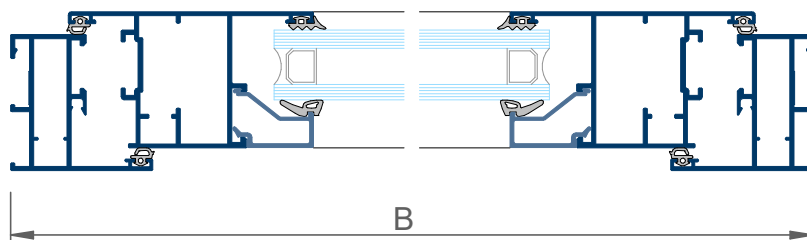
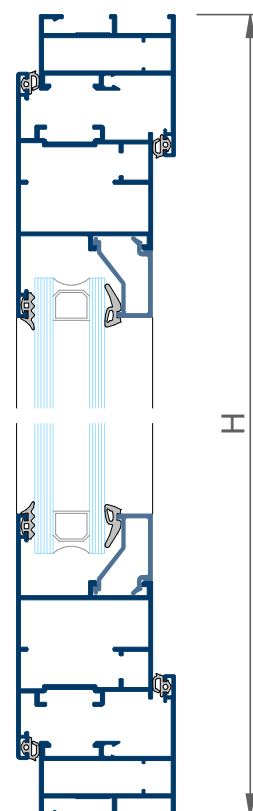


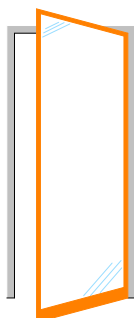


FORMULAS DE CORTE			
		UDS	FORMULA FORMA
marco horizontal	AF52.4110	2	B \ --- /
marco vertical	AF52.4110	2	H \ --- /
hoja horizontal	AF52.4270	2	B-39 \ --- /
hoja vertical	AF52.4270	2	H-39 \ --- /
junquillo recto horizontal	A000.XXXX	2	B-156 ---
junquillo eliptico horizontal	A000.XXXX	2	B-156 \ --- /
junquillo recto vertical	A000.XXXX	2	H-200 ---
junquillo eliptico vertical	A000.XXXX	2	H-156 \ --- /
vidrio 1 B-176 x H-176			

ACCESORIOS			UDS
escuadra	A000.2112		8
escuadra alineacion int hoja	A000.2132		4
junta int hoja	A000.2320		2B+2H
junta ext acristalamiento	A000.2351		2B+2H
junta cuña int	A000.XXXX		2B+2H

accesorios de maniobra no indicados (ver catalogo de maniobra)

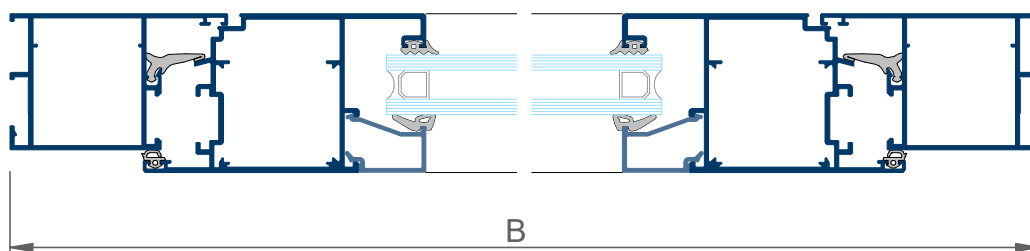
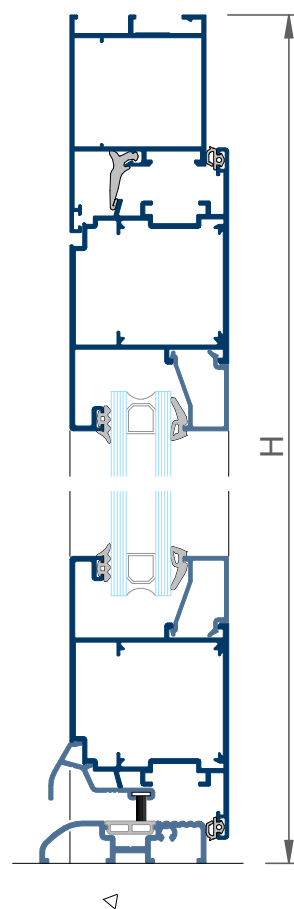


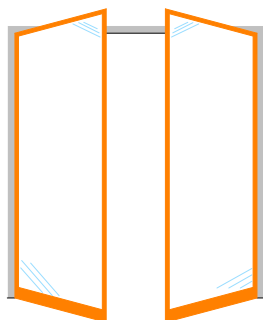


FORMULAS DE CORTE			
	UDS	FORMULA	FORMA
marco horizontal	AF52.4150	1 B	\ --- /
marco vertical	AF52.4150	2 H	--- / \ ---
hoja horizontal	AF52.4253	2 B-88	\ --- /
hoja vertical	AF52.4253	2 H-52	\ --- / \ --- /
perfil hoja bajo puerta	A000.4006	1 B-123	---
perfil umbral bajo puerta	A000.4007	1 B-91	---
junquillo recto horizontal	A000.XXXX	2 B-231	---
junquillo eliptico horizontal	A000.XXXX	2 B-231	\ --- /
junquillo recto vertical	A000.XXXX	2 H-239	---
junquillo eliptico vertical	A000.XXXX	2 H-195	\ --- /
vidrio 1 B-249 x H-213			

ACCESORIOS		
		UDS
escuadra marco y hoja	A000.2116	6
escuadra alineacion int hoja	A000.2132	4
junta central	A000.2310	1B+2H
junta int hoja	A000.2320	2B+2H
junta ext acristalamiento	A000.2351	2B+2H
junta cuña int	A000.XXXX	2B+2H
junta bajo puerta	CF31.2352	1B

accesorios de maniobra no indicados (ver catalogo de maniobra)





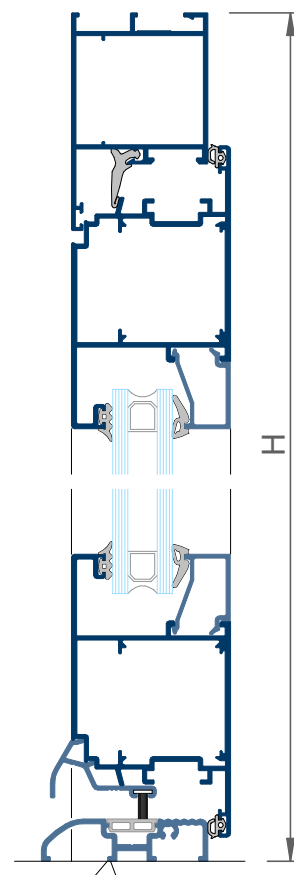
FORMULAS DE CORTE

		UDS	FORMULA	FORMA
marco horizontal	AF52.4150	1	B	\ --- /
marco vertical	AF52.4150	2	H	--- / \ ---
hoja horizontal	AF52.4253	4	(B-93)/2	\ --- /
hoja vertical	AF52.4253	4	H-52	\ --- /
inversor doble hoja	AF52.4241	1	H-120	---
perfil hoja bajo puerta	A000.4006	1	(B-163)/2	---
perfil hoja bajo puerta	A000.4006	1	(B-92)/2	---
perfil umbral bajo puerta	A000.4007	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-239	---
junquillo elíptico vertical	A000.XXXX	4	H-195	\ --- /

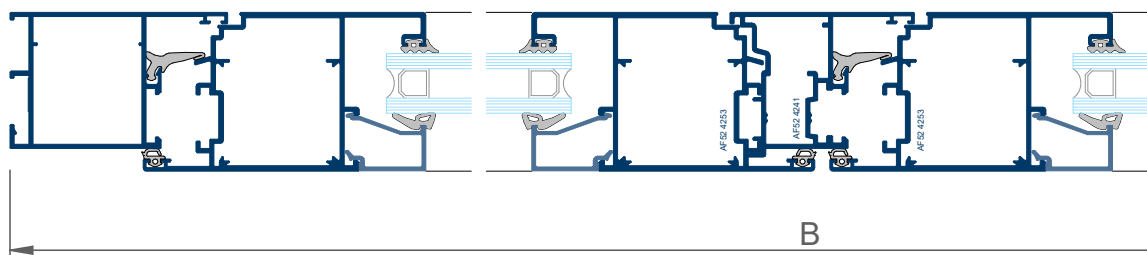
vidrio 2 (B-415)/2 x H-213

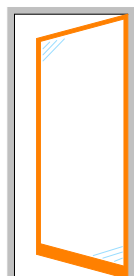
ACCESORIOS

		UDS
escuadra marco y hoja	A000.2116	10
escuadra alineacion int hoja	A000.2132	8
juego tapas estanquidad central	A000.2340	1
juego tapas estética central	A000.2342	1
junta central	A000.2310	1B+3H
junta int hoja	A000.2320	2B+4H
junta ext acristalamiento	A000.2351	2B+4H
junta cuña int	A000.XXXX	2B+4H
junta bajo puerta	CF31.2352	1B



accesorios de maniobra no indicados (ver catalogo de maniobra)





FORMULAS DE CORTE

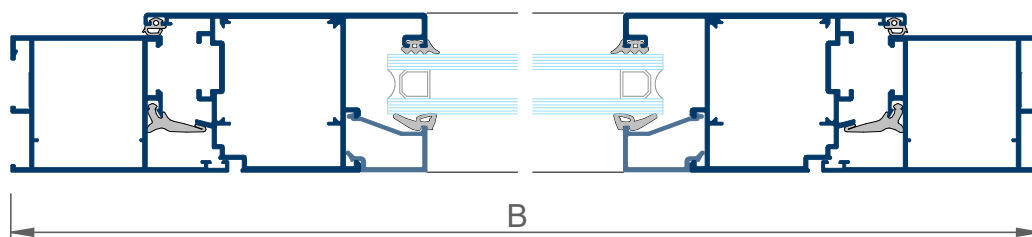
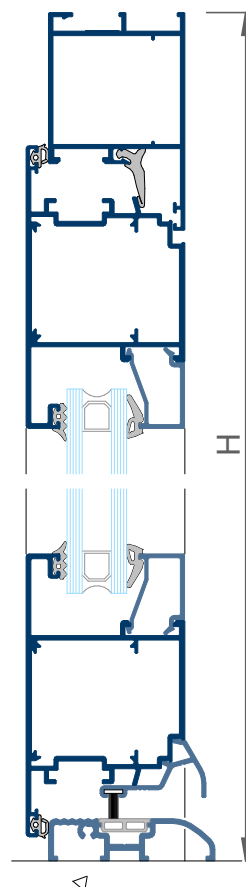
		UDS	FORMULA	FORMA
marco horizontal	AF52.4150	1	B	\ --- /
marco vertical	AF52.4150	2	H	--- / \ ---
hoja horizontal	AF52.4263	2	B-88	\ --- /
hoja vertical	AF52.4263	2	H-52	\ --- /
perfil hoja bajo puerta	A000.4006	1	B-123	---
perfil umbral bajo puerta	A000.4007	1	B-91	---
junquillo recto horizontal	A000.XXXX	2	B-231	---
junquillo elíptico horizontal	A000.XXXX	2	B-231	\ --- /
junquillo recto vertical	A000.XXXX	2	H-239	---
junquillo elíptico vertical	A000.XXXX	2	H-195	\ --- /

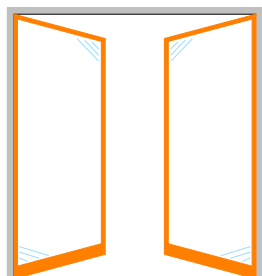
vidrio 1 B-249 x H-213

ACCESORIOS

		UDS
escuadra marco y hoja	A000.2116	6
escuadra alineacion int hoja	A000.2132	4
junta central	A000.2310	1B+2H
junta int hoja	A000.2320	2B+2H
junta ext acristalamiento	A000.2351	2B+2H
junta cuña int	A000.XXXX	2B+2H
junta bajo puerta	CF31.2352	1B

accesorios de maniobra no indicados (ver catalogo de maniobra)

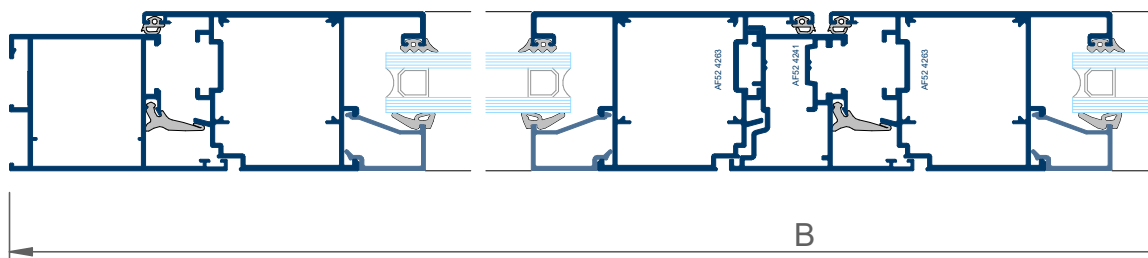
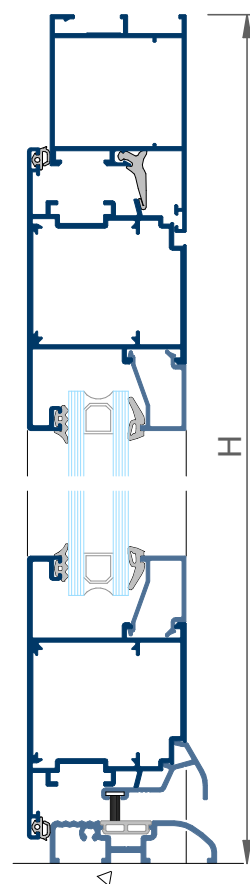




FORMULAS DE CORTE				
		UDS	FORMULA	FORMA
marco horizontal	AF52.4150	1	B	\ --- /
marco vertical	AF52.4150	2	H	--- / \ ---
hoja horizontal	AF52.4263	4	(B-93)/2	\ --- /
hoja vertical	AF52.4263	4	H-52	\ --- /
inversor doble hoja	AF52.4241	1	H-120	---
perfil hoja bajo puerta	A000.4006	1	(B-163)/2	---
perfil hoja bajo puerta	A000.4006	1	(B-92)/2	---
perfil umbral bajo puerta	A000.4007	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-239	---
junquillo elíptico vertical	A000.XXXX	4	H-195	\ --- /
vidrio 2 (B-415)/2 x H-213				

ACCESORIOS			UDS
escuadra marco y hoja	A000.2116		10
escuadra alineacion int hoja	A000.2132		8
juego tapas estanquidad central	A000.2340		1
juego tapas estética central	A000.2342		1
junta central	A000.2310		1B+3H
junta int hoja	A000.2320		2B+4H
junta ext acristalamiento	A000.2351		2B+4H
junta cuña int	A000.XXXX		2B+4H
junta bajo puerta	CF31.2352		1B

accesorios de maniobra no indicados (ver catalogo de maniobra)



Ventanas para **vivir mejor**



Sede Central en Barcelona

C/ Narcís Monturiol, 34
08192 Sant Quirze del Vallès
Barcelona (España)
Tel. +34 949 121 249
contacto@thermiabarcelona.com

Delegación Área Andina

Los Telares, 289
Urbanización Industrial Vulcano
Ate, Lima (Perú)
Tel. +51-1-7197649

Showrooms

Barcelona

Narcís Monturiol, 34
08192 Sant Quirze Vallès
Barcelona (España)
Tel. +34 949 121 249

Girona

Carrer Sant Jordi, 2
Local 4 - Sarrià de Ter
Girona (España)
Tel. +34 949 121 249

Lima

Paseo de la República, 3583
2o. Piso - San Isidro
Lima (Perú)
Tel. +51-1-7197649

THERMIABARCELONA.COM

